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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS FOR RDT&E, FY-78. (U)
WASHINGTON HEADQUARTERS SERVICE (DOD) DIR FOR INFO
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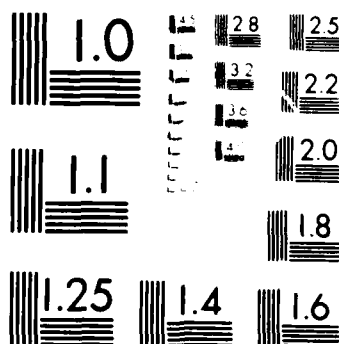
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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500 CONTRACTORS

**CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS FOR RDT&E**

FISCAL YEAR 1978

**DEPARTMENT OF DEFENSE
WASHINGTON HEADQUARTERS SERVICES
DIRECTORATE FOR INFORMATION OPERATIONS
AND REPORTS**

500 CONTRACTORS LISTED ACCORDING TO NET VALUE OF
MILITARY PRIME CONTRACT AWARDS FOR RESEARCH,
DEVELOPMENT, TEST, AND EVALUATION WORK

FISCAL YEAR 1978

This report lists the leading 500 military prime contractors according to the net value of awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during fiscal year 1978. This list is arranged in four sections: U.S. Business Firms; Educational and Nonprofit Institutions; Foreign Contractors; and U.S. Government Agencies.

Contractors in all sections are ranked in a single sequence so that only one contractor in the report is number one. The alphabetical index shows the section in which each contractor is located and his rank. The geographic locations shown are those where the work was expected to be performed. Generally, the location is a contractor's plant, laboratory, or other facility. However, if the work was scheduled to be performed at a Defense activity, such as an Air Force Base, the location is the Defense activity rather than the contractor's plant.

The following table shows the distribution of RDT&E awards for all contractors and for the top 500. The 1978 distribution is comparable to that for 1977. In 1977, the top 500 consisted of 386 U.S. firms (194 of which were small business firms); 104, educational and nonprofit institutions; 3, foreign contractors; and 7, U.S. government agencies. There are 88 contractors on the fiscal year 1978 list who did not appear on the fiscal year 1977 list.

TYPE OF CONTRACTOR	TOTAL RDT&E			500 CONTRACTORS RDT&E			ALL OTHER RDT&E		
	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	1,937	\$8,682,557	100	500	\$8,519,999	100	1,437	\$162,558	100
BUSINESS FIRMS	1,568	7,856,657	90	380	7,722,142	91	1,188	134,515	83
Small	1,101	463,747	5	193	358,742	4	908	105,005	65
Large	467	7,392,910	85	187	7,363,400	87	280	29,510	18
EDUCATIONAL & OTHER NONPROFIT	323	792,488	9	112	768,435	9	211	24,053	15
Educational	202	495,710	6	82	492,550	6	120	3,160	2
Other Nonprofit	121	296,778	3	30	275,885	3	91	20,893	13
U.S. GOVERNMENT AGENCIES ⁽¹⁾	13	25,956	*	6	24,604	*	7	1,352	1
FOREIGN	33	7,456	*	2	4,818	*	31	2,638	2
Nonprofit	10	1,378	*	1	545	*	9	833	1
Business Firms	23	6,078	*	1	4,273	*	22	1,805	1

* Less than 0.5 percent.

(1) Includes 8(a) awards totaling \$8,120,000 made through Small Business Administration.

In addition to the 500 listed contractors, there were 1,437 other contractors who were awarded prime contracts over \$10,000 for RDT&E work during fiscal year 1978 making a total of 1,937 contractors in all compared with 1,898 contractors during fiscal year 1977. In 1978, RDT&E awards totaling \$8,520 million were awarded to the top 500 contractors compared to \$7,751 million in 1977, for an increase of \$769 million, or 10 percent. The \$8,520 million represents 98.1 percent of the \$8,683 million total prime contract awards of over \$10,000 for RDT&E work in fiscal year 1978.

Of the 19 contractors with RDT&E awards of \$100 million or more in fiscal year 1978, 17 were large U.S. businesses and 2 were educational institutions. These 19 contractors had a total of \$5,600 million in RDT&E awards. In fiscal year 1977, of the 17 contractors who attained the \$100 million plateau, 15 were large U.S. businesses and 2 were educational institutions with total awards of \$4,898 million. The amount of awards for the \$100 million group showed an increase of \$702 million, or 14 percent, between fiscal years 1977 and 1978.

The RDT&E contractors with the largest value of awards were engaged in research, development, test, or evaluation of missile and space systems, electronic and communications equipment, and aircraft programs. In fiscal year 1978, \$6,126 million or 70.6 percent of all RDT&E awards of over \$10,000 was for work connected with the above programs. As shown below, engineering development accounted for the majority (51.9%) of RDT&E awards. Within this category, aircraft programs received \$1,495 million, or 17 percent, of the total RDT&E awards. The next largest expenditure, also for engineering development, was missile systems (\$1,375 million, or 15.8 percent).

Type	Awards (\$000)	Percent of Total
RDT&E - TOTAL	\$8,682,557	100.0
Research	323,255	3.7
Exploratory Development	779,413	9.0
Advanced Development	1,766,987	20.4
Engineering Development	4,442,626	51.2
Operational Systems	685,036	7.9
Management and Support	685,240	7.9

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JUNE 30, 1979

INDEX OF 500 LARGEST MILITARY
PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
TEST AND EVALUATION WORK

FISCAL YEAR 1978

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
71 B	A A I CORP	55 R	BENDIX CORP
226 B	A L S ELECTRONICS CORP	328 B	BENDIX FIELD ENGINEERING CORP
194 B	ACUREX CORP	471 B	BESELER CHARLES CO
408 B	ADVANCED RESEARCH & APPL CORP	442 B	BIO MED INC
177 B	ADVANCED TECHNOLOGY INC	347 B	BIOMETRICS INC
308 B	AERODYNE RESEARCH INC	436 B	BIRD ENGINEERING RESEARCH ASSOC
35 B	AEROJET GENERAL CORP	480 B	BLOCK ENGINEERING INC
337 B	AEROMET INC	2 B	BOEING CO
368 B	AERONAUTICAL RESEARCH ASSOCIATES	304 B	BOEING COMPUTER SERVICES INC
81 N	AEROSPACE CORP	38 B	BOEING VERTOL CO
444 N	ALABAMA UNIVERSITY OF	64 B	BOLT BERANEK & NEWMAN INC
88 N	ALASKA UNIVERSITY OF	121 B	BOOZ ALLEN & HAMILTON INC
293 B	ALUMINUM CO OF AMERICA	210 B	BOOZ ALLEN APPLIED RESEARCH INC
495 B	AMPAC INDUSTRIES INC	247 N	BOSTON COLLEGE
145 B	AMERICAN COMMUNICATIONS CORP	418 N	BOSTON UNIVERSITY
233 B	AMERICAN ELECTRONIC LABS INC	359 N	BROWN UNIVERSITY
373 N	AMERICAN INSTITUTE FOR RESEARCH	146 B	BRUNSWICK CORP
354 N	AMERICAN UNIVERSITY	106 B	BUNKER RAMO CORP
318 B	AMPEX CORP	280 B	BURROUGHS CORP
315 B	ANALYSIS & COMPUTER SYSTEMS INC	284 B	C C I CORP
237 B	ANALYSIS & TECHNOLOGY INC	307 B	C N R INC
92 B	ANALYTIC SCIENCES CORP	469 B	C T E C
128 N	ANALYTIC SERVICES INC	491 B	CACI INC FEDERAL
211 B	ANALYTICAL SYSTEMS ENGR CORP	216 B	CADRE CORP
273 B	ANALYTICS INC	214 N	CALIFORNIA INSTITUTE OF TECHNOLOGY
424 B	APPLIED DATA RESEARCH INC	451 B	CALIFORNIA MICROWAVE
410 B	APPLIED SCIENCE ASSOCIATES INC	470 B	CALIFORNIA RESEARCH & TECHNOLOGY
132 B	APES INC	51 N	CALIFORNIA UNIVERSITY OF
394 B	APETE ASSOCIATES INC	73 B	CALSPAN CORP
339 B	ARGO SYSTEMS INC	101 B	CAMPRELL ALLEN M
146 B	ARINC RESEARCH CORP	150 F	CANADIAN COMMERCIAL CORP
189 N	ARIZONA UNIVERSITY OF	385 B	CANYON RESEARCH GROUP INC
21 B	ARO INC	169 B	CAPTECH INC
439 B	ASH STEVENS INC	159 N	CARNEGIE MELLON UNIVERSITY
497 B	ASSURANCE TECHNOLOGY CORP	492 B	CARSON ALEXIOU CORP
350 B	ATLANTIC ANALYSIS CORP	415 N	CASE WESTERN RESERVE UNIVERSITY
173 B	ATLANTIC RESEARCH CORP	361 N	CATHOLIC UNIVERSITY OF AMERICA
406 N	AUBURN UNIVERSITY	392 B	CENTER FOR PLANNING & RESEARCH INC
247 B	AUERBACH ASSOCIATES INC	398 B	CHALCO ENGINEERING CORP
244 B	AUSTIN RESEARCH ASSOCIATES	245 B	CHAMBERLAIN MFG CORP
34 B	AUTOMATION INDUSTRIES INC	22 N	CHARLES STARK DRAPER LABS INC
39 B	AVCO CORP	6 B	CHRYSLER CORP
72 B	AVCO EVERETT RESEARCH LABORATORY	156 B	CINCINNATI ELECTRONICS CORP
50 B	B D M CORP	374 N	CINCINNATI UNIVERSITY OF
94 B	B D M SERVICES CO	196 B	CLARK EQUIPMENT CO
241 B	B K DYNAMICS INC	456 N	CLARKSON COLLEGE OF TECHNOLOGY
135 B	BALL BOS RESEARCH CORP	393 N	COLORADO STATE UNIVERSITY
69 N	BATTILLE MEMORIAL INSTITUTE	245 N	COLORADO UNIVERSITY
330 B	BEECH AIRCRAFT CORP	434 B	COLUMBIA RESEARCH CORP
197 B	BELL & HOWELL CO	149 N	COLUMBIA UNIVERSITY

B = BUSINESS FIRM
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PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
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FISCAL YEAR 1978

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
86 B	COMCO ELECTRONICS CORP	138 N	ENVIRONMENTAL RSCH INST OF MICH
251 B	COMPUTER CORP OF AMERICA	425 B	ENVO INC
44 B	COMPUTER SCIENCES CORP	467 B	ESSEX CORP
375 B	CONSOLIDATED ANALYSIS CENTER INC	31 B	F M C CORP
261 B	CONTINENTAL ELECTRON LIQUIDATING	113 B	FAIRCHILD CAMERA & INSTRUMENT CORP
46 B	CONTROL DATA CORP	68 B	FAIRCHILD INDUSTRIES INC
279 N	CORNELL UNIVERSITY	164 B	FALCON RESEARCH & DEVELOPMENT CO
402 B	COULTER INFORMATION SYSTEMS INC	357 B	FARRAND OPTICAL CO INC
166 B	CRUCIBLE CORP	43 B	FEDERAL ELECTRIC CORP
163 B	CUBIC CORP	257 B	FIBER MATERIALS INC
500 B	CUMMINS ENGINE CO INC	294 B	FIRESTONE TIRE & RUBBER CO
134 B	CURTISS WRIGHT CORP	122 B	FLIGHT SYSTEMS INC
56 B	CUTLER HAMMER INC	367 N	FLORIDA STATE UNIVERSITY
222 B	D B A SYSTEMS INC	241 N	FLORIDA TECHNOLOGICAL UNIVERSITY
141 B	DATA DESIGN LABORATORIES	297 N	FLORIDA UNIVERSITY
268 B	DATACOM INC	23 B	FORD AEROSPACE & COMMUNICATIONS
465 B	DAYRON CORP	319 B	FORD MOTOR CO
80 N	DAYTON UNIVERSITY OF	363 B	FREQUENCY & TIME SYSTEMS INC
474 B	DECISION SCIENCE APPLICATIONS INC	153 B	FUGRO NATIONAL INC
193 B	DECISIONS & DESIGNS INC	420 B	G R D CO
487 N	DELAWARE UNIVERSITY OF	20 B	G T E SYLVANIA INC
303 B	DELEX SYSTEMS INC	61 B	GARRETT CORP
377 B	DEFELCOR INC	3 B	GENERAL DYNAMICS CORP
258 N	DENVER UNIVERSITY OF	5 B	GENERAL ELECTRIC CO
381 B	DEVELOPMENT ENGINEERING INC	57 B	GENERAL MOTORS CORP
249 B	DIGITAL COMMUNICATIONS CORP	75 B	GENERAL RESEARCH CORP
445 B	DIGITAL EQUIPMENT CORP	378 B	GEODYNAMICS CORP
448 B	DIGITAL TECHNOLOGY INC	360 N	GEOPHYSICAL INSTITUTE OF ALASKA
238 B	DIKWOOD INDUSTRIES INC	218 N	GEORGE WASHINGTON UNIVERSITY
328 B	DOITY ASSOCIATES	341 N	GEORGETOWN UNIVERSITY
371 N	DUKE UNIVERSITY	198 N	GEORGIA INSTITUTE TECH
62 B	DYNALECTRON CORP	79 N	GEORGIA TECH RESEARCH INSTITUTE
155 B	DYNAMICS RESEARCH CORP	311 B	GICHNER MOBILE SYSTEMS
496 B	DYNAMICS TECHNOLOGY INC	42 B	GLOBAL ASSOCIATES
366 B	DYNELL ELECTRONICS CORP	167 B	GOODYEAR AEROSPACE CORP
349 B	DYNETICS INC	151 B	GOULD INC
129 B	E G & G INC	26 B	GRUMMAN AEROSPACE CORP
147 B	E S L INC	429 B	GULF & WESTERN INDUSTRIES INC
130 B	E SYSTEMS INC	105 B	H R B SINGER INC
389 B	EAGLE Picher INDUSTRIES INC	490 B	HARBRIDGE HOUSE INC
199 B	EASTMAN KODAK CO	76 B	HARRIS CORP
103 B	EDC CORP	188 N	HARVARD UNIVERSITY
243 B	EFFECTS TECHNOLOGY INC	217 N	HAWAII UNIVERSITY OF
444 B	ELECTRONIC COMMUNICATIONS INC	83 B	HAZELTINE CORP
266 B	ELECTROSPACE CORP	426 B	HELIX TECHNOLOGY CORP
256 B	ELECTROSPACE SYSTEMS INC	133 B	HENNINGSTON DURHAM RICHARDSON
157 B	EMERSON ELECTRIC CO	111 B	HERCULES INC
473 N	EMMANUEL COLLEGE	317 B	HEWLETT PACKARD CO
440 B	ENERGY TRANSFORMATION CORP	362 B	HIGHER ORDER SOFTWARE INC
203 B	ENSCO INC	25 B	HONEYWELL INC

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RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
174 B	HONEYWELL INFORMATION SYSTEMS INC	207 B	LIBRA TECHNOLOGY
372 B	HORIZONS TECHNOLOGY INC	422 B	LIFE SYSTEMS INC
466 N	HUDSON INSTITUTE	192 B	LINKABIT CORP
7 B	HUGHES AIRCRAFT CO	277 B	LITTLE ARTHUR D INC
302 B	HUGHES RESEARCH LABORATORIES	485 B	LITTON BIONETICS INC
230 N	HUMAN RESOURCES RESEARCH ORGN	118 B	LITTON INDUSTRIES INC
395 B	HUMAN SCIENCES RESEARCH INC	54 B	LITTON SYSTEMS INC
289 B	HYCOR INC	29 B	LOCKHEED CORP
184 B	HYDRONAUTICS INC	144 B	LOCKHEED ELECTRONICS CO INC
236 B	HYDROSCIENCE INC	8 B	LOCKHEED MISSILES & SPACE CO INC
338 B	HYDROTRONICS	212 B	LOCUS INC
82 N	I I T RESEARCH INSTITUTE	91 B	LOGICON INC
345 B	I R T CORP	460 B	LOGIMETRICS INC
97 B	I T T GILFILLAN INC	110 B	LORAL CORP
95 N	ILLINOIS INSTITUTE TECHNOLOGY	356 N	LOUISIANA STATE UNIVERSITY OF
161 N	ILLINOIS UNIVERSITY OF	380 B	M & S COMPUTING INC
416 B	IMAGE GRAPHICS INC	254 B	M B ASSOCIATES
274 B	IMODCO U S A	386 B	M R C CORP
250 B	INCO INC	136 B	MAGNAVOX CO
327 B	INDUSTRIAL ELECTRIC MOTORS INC	112 B	MAGNAVOX GOVT & INDUSTRIAL ELEC CO
435 B	INFORMATION DEV & APPLICATIONS	176 B	MAN TECH CORP
382 B	INFORMATION SPECTRUM INC	298 B	MAR INC
421 B	INNOVA INC	423 B	MARK RESOURCES INC
65 N	INSTITUTE FOR DEFENSE ANALYSIS	140 B	MARQUARDT CO
481 B	INTELCOM RAD TECH	10 B	MARTIN MARIETTA CORP
271 B	INTERMETRICS INC	219 N	MARYLAND UNIVERSITY OF
17 B	INTERNATIONAL BUSINESS MACHINE CO	409 B	MASSACHUSETTS COMPUTER ASSOCIATES
478 B	INTERNATIONAL COMPUTING CO	18 N	MASSACHUSETTS INSTITUTE TECHNOLOGY
239 B	INTERNATIONAL HARVESTER CO	384 N	MASSACHUSETTS UNIVERSITY OF
450 B	INTERNATIONAL LASER SYSTEMS INC	329 B	MATHTECH INC
36 B	INTERNATIONAL TELEPHONE & TEL CORP	114 B	MAXWELL LABORATORIES INC
116 B	INTERSTATE ELECTRONICS CORP	1 B	MCDONNELL DOUGLAS CORP
407 N	IOWA UNIVERSITY OF	229 B	MEAD TECHNOLOGY LABORATORIES
90 B	ITEK CORP	458 B	MEASUREMENT CONCEPT CORP
126 B	JAYCOR	396 B	MECHANICAL TECHNOLOGY INC
15 N	JOHNS HOPKINS UNIVERSITY	223 B	MEGATEK CORP
290 B	KAISER INDUSTRIES CORP	475 B	MENASCO MFG CO INC
94 B	KAMAN AEROSPACE CORP	447 B	MERRIT J L CNSLT & SPEC ENGR SVS
100 B	KAMAN SCIENCES CORP	476 B	METCUT RESEARCH ASSOCIATES INC
482 N	KANSAS UNIVERSITY OF	202 N	MIAMI UNIVERSITY OF
370 B	KAPPA SYSTEMS INC	201 N	MICHIGAN UNIVERSITY OF
58 B	KENTRON HAWAII LTD	291 N	MIDWEST RESEARCH INSTITUTE
369 B	KENTRON INTERNATIONAL INC	183 B	MINE SAFETY APPLIANCES CO
180 B	KETRON INC	348 N	MINNESOTA UNIVERSITY OF
499 B	KEYDATA CORP	139 B	MISSION RESEARCH CORP
453 B	KEYSTONE COMPUTER ASSOCS INC	493 N	MISSOURI UNIVERSITY OF
437 B	KINTON INC	24 N	MITRE CORP
148 B	KURAS ALTERMAN CORP	49 B	MOTOROLA INC
145 B	LEAR SIEGLER INC	123 N	NATIONAL ACADEMY OF SCIENCES
461 N	LEHIGH UNIVERSITY	477 N	NATIONAL CNCL SOVIET F EUROPE RSCH

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PRIME CONTRACTORS FOR RESEARCH, DEVELOPMENT,
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RANK + LIST *	CONTRACTOR	.	RANK + LIST *	CONTRACTOR
182 N	NEW MEXICO INSTITUTE MINING & TECH	.	343 B	POSEIDON RESEARCH
93 N	NEW MEXICO STATE UNIVERSITY	.	152 B	POTOMAC RESEARCH INC
127 N	NEW MEXICO UNIVERSITY OF	.	171 B	PRESEARCH INC
269 N	NEW YORK POLYTECHNIC INSTITUTE	.	272 N	PRINCETON UNIVERSITY
275 N	NEW YORK STATE UNIV RESEARCH FOUND	.	431 B	PROBE SYSTEMS INC
379 N	NEW YORK UNIVERSITY	.	200 B	PROTOTYPE DEVELOPMENT INC
195 B	NEWPORT NEWS SHIPBLD & DRY DOCK CO	.	220 N	PURDUE RESEARCH FOUNDATION
463 B	NICHOLS RESEARCH CORP	.	191 B	QUEST RESEARCH CORP
342 B	NIELSEN ENGINEERING & RESEARCH CO	.	276 B	QUESTRON CORP
215 B	NORDEN SYSTEMS INC	.	168 B	QUINTRON SYSTEMS INC
300 B	NORTH AMERICAN PHILIPS CORP	.	70 B	R & D ASSOCIATES
462 N	NORTH CAROLINA UNIVERSITY OF	.	14 B	R C A CORP
312 N	NORTHEASTERN UNIVERSITY	.	334 B	RADIAN INC
28 B	NORTHROP CORP	.	301 B	RALSTON PURINA CO
452 N	NORTHWESTERN UNIVERSITY	.	60 N	RAND CORP
158 B	O R I INC	.	494 B	RAYMOND ENGINEERING INC
340 B	OCEAN DATA SYSTEMS INC	.	9 B	RAYTHEON CO
417 B	OCEAN TECHNOLOGY INC	.	459 B	RAYTHEON SERVICE CO
221 N	OHIO STATE UNIV RESERCH FOUNDATION	.	246 B	REACTIVE METALS INC
390 N	OHIO STATE UNIVERSITY THE	.	449 N	REGIS COLLEGE
234 N	OKLAHOMA STATE UNIVERSITY OF	.	383 N	RENSSELAER POLYTECHNIC INSTITUTE
336 B	OPERATING SYSTEMS INC	.	267 N	RESEARCH TRIANGLE INSTITUTE
240 N	OREGON STATE UNIVERSITY	.	364 N	RHODE ISLAND UNIVERSITY OF
468 B	ORINCON CORP	.	179 N	RIVERSIDE RESEARCH INSTITUTE
326 B	P E SYSTEMS INC	.	74 N	ROCHESTER UNIVERSITY OF
404 B	P R C TECHNICAL APPLICATIONS	.	4 B	ROCKWELL INTERNATIONAL CORP
165 B	PACCAR INC	.	40 B	ROHR INDUSTRIES INC
282 B	PACER SYSTEMS INC	.	323 B	ROME RESEARCH CORP
438 B	PACIFIC ANALYSIS CORP	.	479 F	ROYAL NORWEGIAN CNCL SCNTFC IND RS
232 B	PACIFIC SIERRA RESEARCH CORP	.	483 B	S C I SYSTEMS INC
397 B	PACIFICA TECHNOLOGY	.	231 B	S D C INTEGRATED SERVICES INC
208 N	PALISADES GEOPHYSICAL INSTITUTE	.	287 B	S K F INDUSTRIES INC
427 N	PALISADES INSTITUTE	.	48 N	S R I INTERNATIONAL
209 B	PARAMO DEVELOPMENT CORP	.	270 N	SALK INSTITUTE THE
53 B	PARSONS RALPH M CO INC	.	248 N	SAN DIEGO STATE COLLEGE FOUNDATION
143 B	PATTERN ANALYSIS & RECOGNITION CO	.	30 B	SANDERS ASSOCIATES INC
400 B	PEAT MARWICK MITCHELL & CO	.	414 B	SANTA BARBARA RESEARCH CENTER
66 N	PENNSYLVANIA STATE UNIVERSITY	.	432 B	SANTA FE CORP
175 N	PENNSYLVANIA UNIVERSITY OF	.	288 B	SCHAFFER W J ASSOCIATES INC
235 B	PERCEPTRONICS INC	.	41 B	SCIENCE APPLICATIONS INC
109 B	PERKIN ELMER CORP	.	322 B	SFACO INC
324 B	PHOTO SONICS INC	.	107 B	SEDCO SYSTEMS INC
351 B	PHYSICAL DYNAMICS INC	.	255 B	SENCOR INC
375 B	PHYSICAL SCIENCES CORP	.	388 B	SIMULATION TECHNOLOGY INC
47 B	PHYSICS INTERNATIONAL CO	.	52 B	SINGER CO
296 N	PITTSBURGH UNIVERSITY OF	.	316 N	SMITHSONIAN INSTITUTION
124 B	PLANNING RESEARCH CORP	.	187 B	SOFTECH INC
260 B	PLANNING SYSTEMS INC	.	428 B	SOLAR TURBINES INTERNATIONAL
154 B	PNEUMC CORP	.	443 B	SONALYSTS INC
403 B	POLAR RESEARCH LABORATORY INC	.	344 N	SOUTHEASTERN CTR ELECT ENGR EDUC

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89 N	SOUTHERN CALIFORNIA UNIVERSITY OF	309 N	TENNESSEE UNIVERSITY OF
224 N	SOUTHERN RESEARCH INSTITUTE	419 B	TERRA TEK INC
160 N	SOUTHWEST RESEARCH INSTITUTE	142 B	TETRA TECH INC
213 B	SPACE DATA CORP	405 N	TEXAS A & M RESEARCH FOUNDATION
262 B	SPACE VECTOR CORP	365 N	TEXAS A & M UNIVERSITY
446 B	SPARTON CORP	19 B	TEXAS INSTRUMENTS INC
412 B	SPEARS ASSOCIATES INC	63 N	TEXAS UNIVERSITY OF
352 B	SPECTRA RESEARCH SYSTEMS INC	33 B	TEXTRON INC
27 B	SPERRY RAND CORP	67 B	THIokol CORP
413 B	SPIRE CORP	96 B	TRACOR INC
252 B	STANFORD TELECOMMUNICATIONS INC	274 B	TRACOR MARINE INC
104 N	STANFORD UNIVERSITY	355 B	ULTRASYSTEMS INC
162 B	STEARNS ROGER INC	263 N	UNITED STATES COMMERCE DEPT
333 B	STEIN ASSOCIATES INC	172 N	UNITED STATES ENERGY DEPT
464 B	STERLING WALTER V INC	125 N	UNITED STATES NATL AERO SPACE AGY
376 N	STEVENS INSTITUTE OF TECHNOLOGY	99 N	UNITED STATES SMALL BUSINESS ADMIN
16 B	SUMMA CORP	12 B	UNITED TECHNOLOGIES CORP
399 B	SUMMIT RESEARCH CORP	387 B	UNIVERSAL TECHNOLOGY CORP
488 B	SUPERIOR STEEL DOOR & TRIM CO INC	181 N	UTAH STATE UNIVERSITY
454 B	SUSQUEHANNA CORP	489 N	UTAH UNIVERSITY OF
430 B	SYNECTICS CORP	119 B	VALUE ENGINEERING CO
259 N	SYRACUSE UNIVERSITY	137 B	VARIAN ASSOCIATES
286 N	SYRACUSE UNIVERSITY RESEARCH CORP	299 B	VARO INC
305 B	SYSTEM AUTOMATION CORP	472 B	VECTOR RESEARCH INC
47 B	SYSTEM DEVELOPMENT CORP	170 B	VEDA INC
486 B	SYSTEM ENHANCEMENT SERVICES CO INC	306 N	VIRGINIA POLYTECHNIC INSTITUTE
117 B	SYSTEM PLANNING CORP	358 N	VIRGINIA UNIVERSITY OF
332 B	SYSTEMATICS GENERAL CORP	353 B	VISIODYNE INC
84 B	SYSTEMS CONSULTANTS INC	32 B	VOUGHT CORP
205 B	SYSTEMS CONTROL INC	433 B	VREDENBURG R M & CO
314 B	SYSTEMS ENGINEERING LABORATORIES	310 B	WAGNER DANIEL H ASSOCIATES INC
331 B	SYSTEMS PLANNING & ANALYSIS INC	411 B	WASHINGTON TECHNOLOGICAL ASSOC
77 B	SYSTEMS RESEARCH LABORATORIES INC	108 N	WASHINGTON UNIVERSITY OF
131 B	SYSTEMS SCIENCE & SOFTWARE	253 B	WATKINS JOHNSON CO
325 B	SYSTEMS TECHNOLOGY INC	313 B	WEIDLINGER ASSOCIATES CONSULT ENGR
85 B	T R W COLORADO ELECTRONICS INC	283 N	WENTWORTH INSTITUTE
11 B	T R W INC	45 B	WESTERN ELECTRIC CO INC
321 B	TEAGUE WALTER DORWIN	265 B	WESTERN GEAR CORP
346 B	TECHNICAL ENGINEERING SERVICE INC	13 B	WESTINGHOUSE ELECTRIC CORP
457 B	TECHNITROL INC	401 B	WHEELERS INDUSTRIES INC
295 B	TECHNOLOGY INC	227 B	WHITTAKER CORP
120 B	TECHNOLOGY SERVICE CORP	190 B	WILCOX ELECTRIC CO INC
498 B	TECHPLAN CORP	37 B	WILLIAMS RESEARCH CORP
78 B	TELEDYNE BROWN ENGINEERING	206 N	WISCONSIN UNIVERSITY OF
178 B	TELEDYNE C A E	115 N	WOODS HOLE OCEANOGRAPHIC INST
391 B	TELEDYNE CAMERA SYSTEMS	292 B	X Y Z Y X INFORMATION CORP
228 B	TELEDYNE INC	102 B	XEROX CORP
59 B	TELEDYNE INDUSTRIES INC	264 B	XONICS INC
204 B	TELEDYNE ISOTOPIES	455 B	XYBION CORP
441 B	TELEDYNE M F C	225 N	YALE UNIVERSITY

* B = BUSINESS FIRM
F = FOREIGN CONTRACTOR
N = NON PROFIT INSTITUTION

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	MCDONNELL DOUGLAS CORP	796,501 *		GENERAL ELECTRIC CO	
	CUPERTINO CALIFORNIA	41		ROME NEW YORK	15-
	EDWARDS AFB CALIFORNIA	64		SCHENECTADY NEW YORK	63,887
	HUNTINGTON BEA CALIFORNIA	111,031		SYRACUSE NEW YORK	31,446
	LONG BEACH CALIFORNIA	9,594		UTICA NEW YORK	4,377
	MONROVIA CALIFORNIA	630		CINCINNATI OHIO	65,359
	LOWRY AFB COLORADO	1,157		EVENDALE OHIO	14,069
	TITUSVILLE FLORIDA	412		WRIGHT PATTERS OHIO	244
	ST CHARLES MISSOURI	6,460		ERIE PA	312
	ST LOUIS MISSOURI	665,884		KING OF PRUSS PA	58,407
	KIRTLAND AFB NEW MEXICO	1,168		PHILADELPHIA PA	20,657
	WHITE SANDS MS NEW MEXICO	60		VALLEY FORGE PA	194
2	BOEING CO	628,08 *		BURLINGTON VERMONT	1,061
	HUNTSVILLE ALABAMA	2,009		ARLINGTON VIRGINIA	550
	VANDENBERG AFB CALIFORNIA	5,084		WAYNESBORO VIRGINIA	78
	WASHINGTON DC	533	6	CHRYSLER CORP	405,763 *
	WICHITA KANSAS	83,184		HUNTSVILLE ALABAMA	166
	KIRTLAND AFB NEW MEXICO	247		NEW ORLEANS LOUISIANA	319
	ROME NEW YORK	300		CENTER LINE MICHIGAN	1,791
	HOUSTON TEXAS	837		DETROIT MICHIGAN	447
	EVERETT WASHINGTON	39,858		STERLING HEIGHTS MICHIGAN	402,535
	KENT WASHINGTON	2,744	7	HUGHES AIRCRAFT CO	321,140 *
	RENTON WASHINGTON	5,700			
	SEATTLE WASHINGTON	486,692		NETHERLANDS	1,171
3	GENERAL DYNAMICS CORP	482,602 *		SPAIN	140
				ARIZONA	4,344
	POMONA CALIFORNIA	254		TUCSON ARIZONA	137,315
	SAN DIEGO CALIFORNIA	52,458		CANOGA PARK CALIFORNIA	1,077
	VANDENBERG AFB CALIFORNIA	211,045		CARLSBAD CALIFORNIA	1,077
	GROTON CONN	15,052		CULVER CITY CALIFORNIA	64,871
	KIRTLAND AFB NEW MEXICO	22,497		EL SEGUNDO CALIFORNIA	13,198
	WHITE SANDS MS NEW MEXICO	2,120		FULLERTON CALIFORNIA	45,574
	FORT WORTH TEXAS	15		GOLETA CALIFORNIA	47
		178,761		LOS ANGELES CALIFORNIA	1,344
4	ROCKWELL INTERNATIONAL CORP	473,299 *		MALIBU CALIFORNIA	4,268
	ANAHEIM CALIFORNIA	64,662		NEWPORT BEACH CALIFORNIA	1,546
	CANOGA PARK CALIFORNIA	21,030		POINT HUGU CALIFORNIA	27
	DOWNNEY CALIFORNIA	46,271		TORRANCE CALIFORNIA	2,974
	LOS ANGELES CALIFORNIA	240,495		TYNDALL AFB FLORIDA	175
	NEWPORT BEACH CALIFORNIA	3,712		SUITLAND MARYLAND	41
	SAN DIEGO CALIFORNIA	278		WARMINGSTEP PA	210
	SEAL BEACH CALIFORNIA	18,989		SEATTLE WASHINGTON	1,030
	THOUSAND OAKS CALIFORNIA	5,298	8	LOCKHEED MISSILES & SPACE CO INC	284,222 *
	SANDPOINT IDAHO	1,000		HUNTSVILLE ALABAMA	1,170
	CEDAR RAPIDS IOWA	9,322		PALO ALTO CALIFORNIA	4,541
	PATUXENT RIVER MARYLAND	104		SUNNYVALE CALIFORNIA	275,986
	BEDFORD MASS	16		WEST PALM BEAC FLORIDA	194
	COLUMBUS OHIO	54,236		EVERETT MASS	16
	WRIGHT PATTERS OHIO	82		MAGNA UTAH	1,395
	ADDISON TEXAS	24	9	RAYTHEON CO	273,042 *
	DALLAS TEXAS	2,374		GOLETA CALIFORNIA	2,935
	MCGREGOR TEXAS	25		ANDOVER MASS	5,335
	RICHARDSON TEXAS	4,159		BEDFORD MASS	182,400
	ARLINGTON VIRGINIA	1,222		LEXINGTON MASS	96
5	GENERAL ELECTRIC CO	415,854 *		LOWELL MASS	20,472
	HUNTSVILLE ALABAMA	1,756		NORWOOD MASS	17
	WILLIAMS AFB ARIZONA	1,317		SUDBURY MASS	26,559
	PLEASANTON CALIFORNIA	271		WALTHAM MASS	21,889
	SANTA BARBARA CALIFORNIA	2,520		WAYLAND MASS	11,375
	SUNNYVALE CALIFORNIA	1,563		FORT MONMOUTH NEW JERSEY	387
	WASHINGTON DC	236		CHERRY POINT NCAR	790
	DAYTONA BEACH FLORIDA	6,461		PORTSMOUTH RI	1,671
	OHENSBORO KENTUCKY	141	10	MARTIN MARIETTA CORP	269,908 *
	BEDFORD MASS	1,874		VANDENBERG AFB CALIFORNIA	12,024
	HANSCOM AFB MASS	843		DENVER COLORADO	84,873
	LYNN MASS	9,638		WATERTON COLORADO	1,750
	PITTSFIELD MASS	26,627		ORLANDO FLORIDA	170,878
	WEST LYNN MASS	105,646		BALTIMORE MARYLAND	379
	WILMINGTON MASS	869			
	BINGHAMTON NEW YORK	669			
	JOHNSON CITY NEW YORK	720			
	POMPEY NEW YORK	28			

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SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
11	T R W INC	186,770 *		INTERNATIONAL BUSINESS MACHINE CO	
	MUNTSVILLE ALABAMA	1,098		YORKTOWN HGT ^s NEW YORK	3,478
	LAWNDALE CALIFORNIA	147		WRIGHT PATTERS OHIO	70
	NEWBURY PARK CALIFORNIA	29,787		WARMINSTER PA	313
	NORTON AFB CALIFORNIA	1,225		HOUSTON TEXAS	576
	REDONDO BEACH CALIFORNIA	137,957		ARLINGTON VIRGINIA	5,410
	SAN DIEGO CALIFORNIA	1,506		MANASSAS VIRGINIA	31,933
	EGLIN AFB FLORIDA	650		NORFOLK VIRGINIA	97
	HONOLULU CITY HAWAII	500			
	CLEVELAND OHIO	609	19	TEXAS INSTRUMENTS INC	106,877 *
	WRIGHT PATTERS OHIO	389		MUNTSVILLE ALABAMA	15-
	MCLEAN VIRGINIA	13,006		INYO KERN CALIFORNIA	582
	NORFOLK VIRGINIA	400		RIDGECREST CALIFORNIA	173
				SUITLAND MARYLAND	99
12	UNITED TECHNOLOGIES CORP	154,712 *		KIRTLAND AFB NEW MEXICO	40
	SAN JOSE CALIFORNIA	947		DALLAS TEXAS	105,524
	SUNNYVALE CALIFORNIA	9,200		ALEXANDRIA VIRGINIA	474
	BRIDGEPORT CONN	94			
	EAST HARTFORD CONN	9,889	20	G T E SYLVANIA INC	99,551 *
	HARTFORD CONN	135		LOS ANGELES T T PAC IS	5,025
	NORFOLK CONN	120		MOUNTAIN VIEW CALIFORNIA	6,398
	NORWALK CONN	4,370		NEEDHAM MASS	34,273
	SOUTH WINDSOR CONN	605		NEEDHAM HEIGHT MASS	17,457
	STRATFORD CONN	59,839		WHITE SANDS MS NEW MEXICO	40,656
	WINDSOR LOCKS CONN	1,762		TOWANDA PA	83
	WEST PALM BEACH FLORIDA	68,059		EL PASO TEXAS	86
	KIRTLAND AFB NEW MEXICO	150		SPRINGFIELD VIRGINIA	92
	MELVILLE NEW YORK	89		CLAM LAKE WISCONSIN	150
	WARMINSTER PA	13-			1,351
13	WESTINGHOUSE ELECTRIC CORP	146,893 *	21	ARO INC	81,338 *
	CAMP PENDLETON CALIFORNIA	22		ARNOLD EDC TENNESSEE	81,338
	SUNNYVALE CALIFORNIA	21,453			
	ANNAPOLIS MARYLAND	2,477	23	FORD AEROSPACE & COMMUNICATIONS	70,607 *
	BALTIMORE MARYLAND	56,013		NEWPORT BEACH CALIFORNIA	53,244
	HUNT VALLEY MARYLAND	1,306		PALO ALTO CALIFORNIA	16,729
	LIMA OHIO	104		VANDENBERG AFB CALIFORNIA	270
	CHESWICK PA	755		EGLIN AFB FLORIDA	300
	EAST PITTSBURG PA	15		WILLOW GROVE PA	64
	LARGE PA	93			
	PITTSBURGH PA	4,811	25	HONEYWELL INC	64,923 *
	WARMINSTER PA	117		FRANCE	598
	WEST HIFFLIN PA	59,727		GERMANY	23-
				UN KINGDOM	10-
14	R C A CORP	145,581 *		FORT RUCKER ALABAMA	50
	BAHAMAS	20,721		LOS ANGELES CALIFORNIA	47
	T T PAC IS	10,288		RIDGECREST CALIFORNIA	168
	PATRICK AFB FLORIDA	250		SAN DIEGO CALIFORNIA	1,006
	BURLINGTON MASS	11,649		WEST COVINA CALIFORNIA	475
	CAMDEN NEW JERSEY	21,514		DENVER COLORADO	1,206
	CHERRY HILL NEW JERSEY	1,084		ST PETERSBURG FLORIDA	14,042
	HIGHTSTOWN NEW JERSEY	2,117		ANNAPOLIS MARYLAND	745
	MOORESTOWN NEW JERSEY	70,787		SAINT INIGOE'S MARYLAND	100
	PRINCETON NEW JERSEY	2,081		LEXINGTON MASS	6,797
	SOMERVILLE NEW JERSEY	2,115		BLOOMINGTON MINNESOTA	889
	WHITE SANDS MS NEW MEXICO	13		HOPKINS MINNESOTA	17,971
	ROME NEW YORK	56		MINNEAPOLIS MINNESOTA	12,660
	SPRINGFIELD VIRGINIA	2,906		NEW BRIGHTON MINNESOTA	406
				ST LOUIS PARK MINNESOTA	623
16	SUMMA CORP	134,220 *		NEW SHREWSBURY NEW JERSEY	392
	CULVER CITY CALIFORNIA	134,220		MORSHAM PA	1,673
				PHILADELPHIA PA	29
17	INTERNATIONAL BUSINESS MACHINE CO	125,257 *		SEATTLE WASHINGTON	5,169
	GERMANY	114			
	MUNTSVILLE ALABAMA	2,657	26	GRUMMAN AEROSPACE CORP	63,914 *
	LOS ANGELES CALIFORNIA	378		EL CENTRO CALIFORNIA	13
	SAN DIEGO CALIFORNIA	25		POINT HUGO CALIFORNIA	211
	SAN JOSE CALIFORNIA	178		STUART FLORIDA	1,454
	VANDENBERG AFB CALIFORNIA	339		BETHPAGE NEW YORK	62,236
	WESTLAKE VILLA CALIFORNIA	5,677			
	GAITHERSBURG MARYLAND	1,588			
	KIRTLAND AFB NEW MEXICO	15			
	HOPEWELL JUNCT NEW YORK	314			
	OSWEGO NEW YORK	890			
	OWEGO NEW YORK	71,219			

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 S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1976

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
27	SPERRY RAND CORP HUNTSVILLE ALABAMA PHOENIX ARIZONA YUMA ARIZONA IRVINE CALIFORNIA SAN DIEGO CALIFORNIA WASHINGTON DC CLEARWATER FLORIDA SUDBURY MASS EGAN MINNESOTA MINNEAPOLIS MINNESOTA ST PAUL MINNESOTA GREAT NECK NEW YORK WARMINSTER PA HILL AFB UTAH SALT LAKE CITY UTAH RESTON VIRGINIA	63,089 * 933 589 500 326 1,514 679 1,036 286 259 1,111 5,674 34,224 457 17 11,252 3,869	34	AUTOMATION INDUSTRIES INC CHINA LAKE CALIFORNIA EGLIN AFB FLORIDA SILVER SPRING MARYLAND	43,519 * 900 17,725 24,914
			35	AEROJET GENERAL CORP AZUSA CALIFORNIA DOWNEY CALIFORNIA FULLERTON CALIFORNIA HIMBUS CALIFORNIA SACRAMENTO CALIFORNIA PANAMA CITY FLORIDA	47,442 * 26,929 6,660 569 232 5,447 3,205
28	NORTHROP CORP ANAHEIM CALIFORNIA MANTHORNE CALIFORNIA NEWBURY PARK CALIFORNIA PALOS VERDES E CALIFORNIA SAN DIEGO CALIFORNIA DES PLAINES ILLINOIS ROLLING MEADOW ILLINOIS NORWOOD MASS ARLINGTON VIRGINIA	61,384 * 25,139 20,066 275 433 133 571 10,497 4,347 18	36	INTERNATIONAL TELEPHONE & TEL CORP SANTA ANA CALIFORNIA VAN NUYS CALIFORNIA WASHINGTON DC FORT WAYNE INDIANA CLINTON MASS NUTLEY NEW JERSEY PARAMUS NEW JERSEY WRIGHT PATTERS OHIO ROANOKE VIRGINIA	41,345 * 46 25 12 1,196 20 37,534 135 127 2,006
			37	WILLIAMS RESEARCH CORP WALLED LAKE MICHIGAN	40,864 * 40,864
29	LOCKHEED CORP BURBANK CALIFORNIA ONTARIO CALIFORNIA PALO ALTO CALIFORNIA SAUGUS CALIFORNIA SUNLAND CALIFORNIA SUNNYVALE CALIFORNIA VAN NUYS CALIFORNIA DOBHINS AFB GEORGIA MARIETTA GEORGIA WARMINSTER PA HILL AFB UTAH	57,025 * 14,962 830 90 516 1,526 777 15- 86 38,451 44 58	38	BOEING VERTOL CO PHILADELPHIA PA RIDLEY PA RIDLEY PARK PA	49,472 * 1,596 2,153 36,723
			39	AVCO CORP STRATFORD CONN EVERETT MASS LOWELL MASS WILMINGTON MASS	27,530 * 5,433 1,519 1,666 25,492
30	SANDERS ASSOCIATES INC VANDENBERG AFB CALIFORNIA BEDFORD MASS MANCHESTER NH MERRIMACK NH NASHUA NH	53,791 * 10 16 790 1,450 51,525	40	ROHR INDUSTRIES INC CHULA VISTA CALIFORNIA RIVERSIDE CALIFORNIA PATUXENT RIVER MARYLAND	34,741 * 39,659 164 3,914
			41	SCIENCE APPLICATIONS INC HUNTSVILLE ALABAMA BERKELEY CALIFORNIA EL SEGUNDO CALIFORNIA IRVINE CALIFORNIA LA JOLLA CALIFORNIA LOS ANGELES CALIFORNIA OAKLAND CALIFORNIA PALO ALTO CALIFORNIA SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA SUNNYVALE CALIFORNIA VANDENBERG AFB CALIFORNIA COLORADO SPGS COLORADO DENVER COLORADO ENGLEWOOD COLORADO STUART FLORIDA ATLANTA GEORGIA SCHAUMBURG ILLINOIS BEDFORD MASS BOSTON MASS ANN ARBOR MICHIGAN LAS VEGAS NEVADA HANOVER NH ALBUQUERQUE NEW MEXICO WHITE SANDS MS NEW MEXICO DAYTON OHIO WAYNE PA ARLINGTON VIRGINIA MCLEAN VIRGINIA NORFOLK VIRGINIA	33,867 * 2,689 60 1,350 98 10,979 649 326 37 3,684 961 122 685 450 100 85 30 42 112 71 37 175 55 52 224 385 24 72 5,930 4,330 45
31	F M C CORP SAN JOSE CALIFORNIA SANTA CLARA CALIFORNIA MINNEAPOLIS MINNESOTA	52,837 * 48,831 3,183 1,623			
32	VOUGHT CORP HONOLULU CITY HAWAII STERLING HEIGHTS MICHIGAN WRIGHT PATTERS OHIO DALLAS TEXAS GRAND PRAIRIE TEXAS	47,456 * 142 283 301 45,089 1,641			
33	TEXTRON INC FORT HUACHUCA ARIZONA TUCSON ARIZONA BELMONT CALIFORNIA SYLMAR CALIFORNIA VALENCIA CALIFORNIA CHESHIRE CONN EGLIN AFB FLORIDA PANAMA CITY FLORIDA NEW ORLEANS LOUISIANA BUFFALO NEW YORK WHEATFIELD NEW YORK FORT WORTH TEXAS	45,939 * 1,956 2,426 4,355 310 29 458 483 2,507 1,927 1,808 2,953 26,727			

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S * SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	T O
42	GLOBAL ASSOCIATES PHOENIX IS T T PAC IS	32,971 * 1,225 31,746	52	SINGER CO LUKE AFB WILLIAMS AFB GLENDALE SUNNYVALE LITTLE FALLS WAYNE BINGHAMTON WRIGHT PATTERS STATE COLLEGE	ARIZONA ARIZONA CALIFORNIA CALIFORNIA NEW JERSEY NEW JERSEY NEW YORK OHIO PA
43	FEDERAL ELECTRIC CORP VANDENBERG AFB GRIFFISS AFB	31,931 * 31,903 28	53	PARSONS PALPH M CO INC PASADENA	CALIFORNIA
44	COMPUTER SCIENCES CORP HUNTSVILLE CAMP PENDLETON DEL MAR SAN DIEGO VANDENBERG AFB FORT WALTON BE BEDFORD MOORESTOWN KIRTLAND AFB HUNTINGDON WARMINGSTER FALLS CHURCH	31,411 * 2,256 824 565 8,070 1,172 365 1,263 1,903 119 44 1,387 14,347	54	LITTON SYSTEMS INC CANOGA PARK SAN CARLOS SUNNYVALE VALLE JO VAN NUYS WOODLAND HILLS EGLIN AFB COLLEGE PARK MELVILLE LUBROCK	CALIFORNIA CALIFORNIA CALIFORNIA CALIFORNIA CALIFORNIA CALIFORNIA FLORIDA MARYLAND NEW YORK TEXAS
45	WESTERN ELECTRIC CO INC T T PAC IS WHIPPANY GREENSBORO WINSTON SALEM	30,481 * 9- 6,741 60 21,574	55	BENDIX CORP NORTH HOLLYWOOD SYLMAR MISHAWAKA DAVENPORT BALTIMORE COLUMBIA TOMSON ANN ARBOR SOUTHFIELD EATONTOWN TETERBORO SIDNEY	CALIFORNIA CALIFORNIA INDIANA IOWA MARYLAND MARYLAND MARYLAND MICHIGAN MICHIGAN NEW JERSEY NEW JERSEY NEW YORK
46	CONTROL DATA CORP T T PAC IS CAMP PENDLETON HUNTINGTON BEA MONTEREY SAN DIEGO VANDENBERG AFB BEDFORD BLOOMINGTON MINNEAPOLIS MONTEVIDEO FORT MONMOUTH ARLINGTON	27,780 * 7,612 11- 5,488 169 790 207 1,978 179 11,018 100 110 40	56	CUTLER HAMMER INC EGLIN AFB DEER PARK MELVILLE MILWAUKEE	FLORIDA NEW YORK NEW YORK WISCONSIN
47	SYSTEM DEVELOPMENT CORP HUNTSVILLE LOS ANGELES HOFFETT FIELD SAN DIEGO SANTA CLARA SANTA MONICA VANDENBERG AFB FORT LEAVENWORTH EATONTOWN FORT MONMOUTH WEST LONG BRAN DAYTON HAMPTON MCLEAN	26,491 * 5,979 74 2,467 228 35 6,614 4,676 189 510 99 380 209 1,604 3,427	57	GENERAL MOTORS CORP GOLETA SANTA BARBARA INDIANAPOLIS KOKOMO SPEEDWAY WARREN MILWAUKEE	CALIFORNIA CALIFORNIA INDIANA INDIANA INDIANA MICHIGAN MICHIGAN WISCONSIN
49	MOTOROLA INC CLIFTON SCOTTSDALE	25,857 * 14 100 25,739	58	KENTRON HAWAII LTD EDWARDS AFB HILL AFB	T T PAC IS CALIFORNIA UTAH
50	B O M CORP HUNTSVILLE HONOLULU CITY FORT KNOX MELLIS AFB ALBUQUERQUE KIRTLAND AFB WRIGHT PATTERS MCLEAN MORFOLK VIENNA	25,647 * 17 181 345 1,269 121 5,545 1,853 889 14,056 116 1,255	59	TELEDYNE INDUSTRIES INC MOBILE NORTHRIIDGE SAN DIEGO MUSKEGON WHITE SANDS MS GARLAND HILL AFB ALEXANDRIA	ALABAMA CALIFORNIA CALIFORNIA MICHIGAN NEW MEXICO TEXAS UTAH VIRGINIA

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
61	GARRETT CORP PHOENIX ARIZONA LOS ANGELES CALIFORNIA TORRANCE CALIFORNIA BELMAR NEW JERSEY	14,369 * 10,240 747 6,329 57	78	TELFORDNE BROWN ENGINEERING HUNTSVILLE ALABAMA FORT WALTON RE FLORIDA SILVER SPRING MARYLAND	11,604 * 11,517 211 83
62	DYNALECTRON CORP YUMA ARIZONA ALBUQUERQUE NEW MEXICO HOLLAMAN AFB NEW MEXICO KIRTLAND AFB NEW MEXICO WHITE SANDS MS NEW MEXICO WRIGHT PATTERS OHIO	15,871 * 54 1,865 4,711 1,155 8,144 537	83	HAZELTINE CORP AVON MASS SPAIN TREE MASS GREENLAWN NEW YORK	10,691 * 1,154 712 2,225
64	BOLT BEFANEK & NEWMAN INC CANOGA PARK CALIFORNIA SAN DIEGO CALIFORNIA CAMBRIDGE MASS ARLINGTON VIRGINIA	15,449 * 171 267 14,674 337	84	SYSTEMS CONSULTANTS INC OXNARD CALIFORNIA SAN DIEGO CALIFORNIA WASHINGTON DC DAYTON OHIO WRIGHT PATTERS OHIO ARLINGTON VIRGINIA	S 10,537 * 149 3,177 6,787 166 174 78
67	THINKOL CORP HUNTSVILLE ALABAMA ELKTON MARYLAND BRIGHTON CITY UTAH JUNCTION UTAH	14,713 * 4,767 2,541 7,462 343	85	T K W COLORADO ELECTRONICS INC COLORADO SPGS COLORADO	10,356 * 10,356
68	FAIRCHILD INDUSTRIES INC GERMANTOWN MARYLAND HAGERSTOWN MARYLAND FARMINGDALE NEW YORK	14,508 * 2,585 28 11,951	86	COMCO ELECTRONICS CORP FULLERTON CALIFORNIA	10,297 * 2,969 128
70	K & D ASSOCIATES LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA KIRTLAND AFB NEW MEXICO ARLINGTON VIRGINIA	S 14,384 * 1,230 10,997 1,510 647	87	PHYSICS INTERNATIONAL CO SAN LEANDRO CALIFORNIA	10,048 * 10,048
71	A & I CORP AFRODEEN PROV MARYLAND BALTIMORE MARYLAND COCKEYSVILLE MARYLAND	13,646 * 143 946 12,557	90	ITEK CORP SUNNYVALE CALIFORNIA LEXINGTON MASS	9,626 * 2,428 7,198
72	AVCO EVERETT RESEARCH LABORATORY MAUI HAWAII EVERETT MASS	13,268 * 3,732 9,536	91	LOGICON INC SAN DIEGO CALIFORNIA SAN PEDRO CALIFORNIA TORRANCE CALIFORNIA HANSCOM AFB MASS WRIGHT PATTERS OHIO	S 2,467 * 1,695 2,748 1,877 142 3,005
73	CALSPAN CORP EDWARDS AFB CALIFORNIA LOS ANGELES CALIFORNIA WHITE SANDS MS NEW MEXICO BUFFALO NEW YORK WRIGHT PATTERS OHIO	12,342 * 179 1,151 649 8,568 1,795	92	ANALYTIC SCIENCES CORP READING MASS	S 8,999 * 8,999
75	GENERAL RESEARCH CORP HUNTSVILLE ALABAMA SANTA BARRARA CALIFORNIA WASHINGTON DC FORT WALTON RE FLORIDA ARLINGTON VIRGINIA MCLEAN VIRGINIA	12,054 * 37 1,690 6,961 147 308 580 2,331	94	KAMAN AEROSPACE CORP BLOOMFIELD CONN	8,733 * 8,733
76	HARRIS CORP MELROURNE FLORIDA PALM BAY FLORIDA ROCHESTER NEW YORK	11,917 * 5,730 6,141 46	95	TRACOR INC PORT EVERGLADE FLORIDA PATUXENT RIVER MARYLAND ROCKVILLE MARYLAND SAINT INIGUES MARYLAND AUSTIN TEXAS ARLINGTON VIRGINIA MIDDLETON WISCONSIN	8,640 * 454 431 3,054 993 3,240 425 43
77	SYSTEMS RESEARCH LABORATORIES INC RESEDA CALIFORNIA GRIFFISS AFB NEW YORK DAYTON OHIO WINDHAM OHIO WRIGHT PATTERS OHIO NEWPORT NEWS VIRGINIA	11,860 * 17 1,700 3,811 35 6,154 123	97	I T Y GILFILLAN INC VAN NUYS CALIFORNIA	8,569 * 8,569
			98	B D M SERVICES CO FORT ORD CALIFORNIA FORT LEAVENWORTH KANSAS WRIGHT PATTERS OHIO MCLEAN VIRGINIA	8,184 * 6,220 37 160 1,767
			100	KAMAN SCIENCES CORP COLORADO SPGS COLORADO BURLINGTON MASS	8,082 * 7,403 679
			101	CAMPBELL ALLEN M YUMA ARIZONA KIRTLAND AFB NEW MEXICO	7,984 * 2,802 5,182

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S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
102	XEROX CORP PALO ALTO CALIFORNIA PASADENA CALIFORNIA FORT WASHINGTON PA NORFOLK VIRGINIA	7,939 * 69 7,596 174 11	119	VALUE ENGINEERING CO OXNARD CALIFORNIA WEST LONG BRAN NEW JERSEY ALEXANDRIA VIRGINIA	S 6,016 * 660 12 5,344
103	EDD CORP COLLEGE POINT NEW YORK	7,412 * 7,412	120	TECHNOLOGY SERVICE CORP SANTA MONICA CALIFORNIA SILVER SPRING MARYLAND	S 5,445 * 5,475 371
105	H F R SINGER INC STATE COLLEGE PA RESTON VIRGINIA	7,536 * 6,422 914	121	BOOZ ALLEN & HAMILTON INC WASHINGTON DC FORT WALTON BE FLORIDA RETHESDA MARYLAND HANSCOM AFB MASS FLORHAM PARK NEW JERSEY NEW SHREWSBURY NEW JERSEY WRIGHT PATTERS OHIO	5,264 * 776 18 3,071 96- 46 1,933 16
106	HUNKER RAMO CORP WESTLAKE VILLA CALIFORNIA DANBURY CONN WRIGHT PATTERS OHIO	7,413 * 5,477 44 599	122	FLIGHT SYSTEMS INC CHINA LAKE CALIFORNIA MOJAVE CALIFORNIA NEWPORT BEACH CALIFORNIA WHITE SANDS MS NEW MEXICO ARLINGTON VIRGINIA	S 5,521 * 37 855 2,906 1,640 83
107	SECO SYSTEMS INC MELVILLE NEW YORK	S 7,777 * 7,777	124	PLANNING RESEARCH CORP CAMP PENDLETON CALIFORNIA LOS ANGELES CALIFORNIA OFFUTT AFB NEBRASKA WRIGHT PATTERS OHIO SAN ANTONIO TEXAS MCLEAN VIRGINIA NORFOLK VIRGINIA	S 5,283 * 21 379 2,215 1,548 300 720 100
109	PERKIN ELMER CORP COSTA MESA CALIFORNIA POMONA CALIFORNIA SOUTH PASADENA CALIFORNIA DANBURY CONN NORWALK CONN WILTON CONN	7,276 * 15 27 113 70 5,736 1,355	126	JAYCORP DFL MAR CALIFORNIA WASHINGTON DC ALEXANDRIA VIRGINIA	S 5,219 * 3,548 236 1,435
110	LEVAL CORP YONKERS NEW YORK	7,066 * 7,066	129	E G & G INC WASHINGTON DC ROCKVILLE MARYLAND SALEM MASS NELLIS AFB NEVADA PRINCETON NEW JERSEY ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	5,172 * 364 3,611 255 125- 15 750 299
111	HERCULES INC WILMINGTON DELAWARE EGLIN AFB FLORIDA MCGREGOR TEXAS MAGNA UTAH ROCKET CENTER WVA	6,892 * 170 216 463 2,839 3,204	130	E SYSTEMS INC ST PETERSBURG FLORIDA MUNTINGTON INDIANA DALLAS TEXAS GARLAND TEXAS GREENVILLE TEXAS SALT LAKE CITY UTAH FALLS CHURCH VIRGINIA	5,091 * 1,161 14 320 21- 19 1,003 2,595
112	MAGNAVOX GOVT & INDUSTRIAL ELEC CO TORRANCE CALIFORNIA FORT WAYNE INDIANA MAHWAH NEW JERSEY MONTVALE NEW JERSEY	6,888 * 1,527 4,517 439 105	131	SYSTEMS SCIENCE & SOFTWARE HAYWARD CALIFORNIA LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA	S 4,917 * 120 3,208 1,589
113	FAIRCHILD CAMERA & INSTRUMENT CORP MOUNTAIN VIEW CALIFORNIA PALO ALTO CALIFORNIA SYOSSET NEW YORK	6,828 * 408 33 6,347	132	ARES INC PORT CLINTON OHIO	S 4,877 * 4,877
114	MAXWELL LABORATORIES INC LOS ANGELES CALIFORNIA SAN DIEGO CALIFORNIA ALBUQUERQUE NEW MEXICO	S 6,588 * 346 5,874 369	133	HENNINGSTON DURHAM RICHARDSON SANTA BARBARA CALIFORNIA	4,861 * 4,861
116	INTERSTATE ELECTRONICS CORP ANAHEIM CALIFORNIA	6,306 * 6,306	134	CURTISS WRIGHT CORP WOOD RIDGE NEW JERSEY	4,801 * 4,801
117	SYSTEM PLANNING CORP HUNTSVILLE ALABAMA ARLINGTON VIRGINIA	S 6,257 * 199 6,058			
118	LITTON INDUSTRIES INC SAN CARLOS CALIFORNIA VAN NUYS CALIFORNIA WOODLAND HILLS CALIFORNIA COLLEGE PARK MARYLAND PASCAGOULA MISS MORRIS PLAINS NEW JERSEY	6,193 * 30 49 4,380 1,454 125 155			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
135	BALL PROS RESEARCH CORP BOULDER COLORADO	4,744 * 4,747	153	FUGRO NATIONAL INC LONG BEACH CALIFORNIA	S 4,045 * 4,045
136	MAGNAVOX CO TORRANCE CALIFORNIA FORT WAYNE INDIANA PHILADELPHIA PA	4,775 * 1,392 2,511 972	154	PNEUMO CORP KALAMAZOO MICHIGAN	3,950 * 3,959
137	VARIAN ASSOCIATES PALO ALTO CALIFORNIA SAN CARLOS CALIFORNIA SANTA CLARA CALIFORNIA BEVERLY MASS SALT LAKE CITY UTAH	4,749 * 4,349 19 60 201 70	155	DYNAMICS RESEARCH CORP WILMINGTON MASS	3,926 * 3,926
139	MISSION RESEARCH CORP SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	S 4,701 * 240 3,904 524 29	156	CINCINNATI ELECTRONICS CORP CINCINNATI OHIO	S 3,904 * 3,904
140	MARQUARDT CO VAN NUYS CALIFORNIA	4,657 * 4,657	157	EMERSON ELECTRIC CO GALATRAS ST LOUIS MISSOURI	3,466 * 3,432 3,034
141	DATA DESIGN LABORATORIES CUCAMONGA CALIFORNIA	4,643 * 4,643	158	O P I INC WASHINGTON DC SILVER SPRING MARYLAND	S 3,794 * 76 3,677
142	TETRA TECH INC MOFFETT FIELD CALIFORNIA PASADENA CALIFORNIA SAN DIEGO CALIFORNIA ARLINGTON VIRGINIA	4,524 * 482 1,180 1,947 1,915	162	STEARNS ROGER INC VANDENBERG AFB CALIFORNIA	3,575 * 3,575
143	PATTERN ANALYSIS & RECOGNITION CO ROME NEW YORK	S 4,513 * 4,513	163	QUIPC CORP SAN DIEGO CALIFORNIA	3,504 * 3,504
144	LOCKHEED ELECTRONICS CO INC PLAINFIELD NEW JERSEY WHITE SANDS MS NEW MEXICO	4,466 * 2,599 1,867	164	FALCON RESEARCH & DEVELOPMENT CO DENVER COLORADO BALTIMORE MARYLAND	3,444 * 2,375 1,153
145	LEAR SIEGLER INC SANTA MONICA CALIFORNIA EGLIN AFB FLORIDA GRAND RAPIDS MICHIGAN	4,445 * 923 47 3,475	165	PACCAR INC PENTON WASHINGTON	3,484 * 3,484
146	ARINC RESEARCH CORP SAN DIEGO CALIFORNIA SANTA ANA CALIFORNIA ANNAPOLIS MARYLAND	4,333 * 321 626 3,396	166	CRUCIBLE CORP PITTSBURGH PA	3,472 * 3,472
147	E S L INC SUNNYVALE CALIFORNIA	4,294 * 4,298	167	GOODYEAR AEROSPACE CORP LITCHFIELD PARK ARIZONA AKRON OHIO	3,402 * 1,509 1,493
148	KURAS ALTERMAN CORP FAIRFIELD NEW JERSEY WAYNE NEW JERSEY MCLEAN VIRGINIA	S 4,293 * 3,731 230 332	168	QUINTON SYSTEMS INC VANDENBERG AFB CALIFORNIA	S 3,307 * 3,307
151	GOULD INC EL MONTE CALIFORNIA SAN DIEGO CALIFORNIA ROLLING MEADOW ILLINOIS GLEN BURNIE MARYLAND CLEVELAND OHIO WRIGHT PATTERS OHIO	4,186 * 166 108 35- 2,920 1,004 31	169	CAPTECH INC SIERRA MADRE CALIFORNIA	3,305 * 3,305
152	POTOMAC RESEARCH INC CHINA LAKE CALIFORNIA PANAMA CITY FLORIDA MCLEAN VIRGINIA QUANTICO VIRGINIA	S 4,169 * 12 602 2,222 1,333	170	VEDA INC SAN DIEGO CALIFORNIA ARLINGTON VIRGINIA	S 3,239 * 1,262 1,977
			171	PRESEARCH INC SILVER SPRING MARYLAND ARLINGTON VIRGINIA	S 3,211 * 403 2,804
			173	ATLANTIC RESEARCH CORP GRIFFISS AFB NEW YORK ROME NEW YORK ALEXANDRIA VIRGINIA GAINESVILLE VIRGINIA	3,183 * 48 567 1,442 1,131
			174	HONEYWELL INFORMATION SYSTEMS INC VANDENBERG AFB CALIFORNIA TAMPA FLORIDA MCLEAN VIRGINIA	3,175 * 821 857 1,497
			176	HAN TECH CORP BETHESDA MARYLAND PATUXENT RIVER MARYLAND ROCKVILLE MARYLAND LIVINGSTON NEW JERSEY ARLINGTON VIRGINIA	S 3,143 * 31 146 443 964 1,519

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
177	ADVANCED TECHNOLOGY INC MCLFAN VIRGINIA	S 3,111 * 3,111	204	TELEDYNE ISOTOPES TIMONIUM MARYLAND	2,362 * 2,362
178	TELEDYNE C A E TOLEDO OHIO	3,042 * 3,042	205	SYSTEMS CONTROL INC PALO ALTO CALIFORNIA	S 2,329 * 2,329
180	KETRON INC PHILADELPHIA PA WAYNE PA ARLINGTON VIRGINIA	S 3,016 * 198 484 2,334	207	LIBRA TECHNOLOGY ROCKVILLE MARYLAND	S 2,319 * 2,319
183	MINE SAFETY APPLIANCES CO CALLERY PA EVANS CITY PA MURRYSVILLE PA	2,987 * 2,762 98 127	209	PARAHO DEVELOPMENT CORP GRAND JUNCTION COLORADO	S 2,282 * 2,282
184	HYDRONAUTICS INC LAUREL MARYLAND	S 2,964 * 2,964	210	BOOZ ALLEN APPLIED RESEARCH INC SAN DIEGO CALIFORNIA EGLIN AFB FLORIDA FORT WALTON BE FLORIDA BETHESDA MARYLAND	2,261 * 82 316 124 1,739
185	AMERICAN COMMUNICATIONS CORP ANNANDALE VIRGINIA	S 2,910 * 2,910	211	ANALYTICAL SYSTEMS ENGR CORP BEDFORD MASS BURLINGTON MASS HANSCOM AFB MASS	S 2,259 * 158 2,063 38
186	BRUNSWICK CORP COSTA MESA CALIFORNIA DE LAND FLORIDA MADISON VIRGINIA	2,724 * 1,671 597 456	212	LOCUS INC WASHINGTON DC STATE COLLEGE PA	S 2,254 * 1,777 477
187	SOFTECH INC WASHINGTON DC WALTHAM MASS WRIGHT PATTERS OHIO	S 2,714 * 181 2,124 409	213	SPACE DATA CORP PHOENIX ARIZONA TEMPE ARIZONA VANDENBERG AFB CALIFORNIA	S 2,232 * 152 1,936 144
190	WILCOX ELECTRIC CO INC KANSAS CITY MISSOURI	2,584 * 2,584	215	NORDEN SYSTEMS INC NORWALK CONN NORWICH CONN MELVILLE NEW YORK	2,204 * 2,110 125 31-
191	GUEST RESEARCH CORP FORT HUACHUCA ARIZONA MCLEAN VIRGINIA	S 2,548 * 254 2,294	216	CADRE CORP DORAVILLE GEORGIA	S 2,190 * 2,190
192	LINKABIT CORP SAN DIEGO CALIFORNIA	S 2,524 * 2,524	222	D B A SYSTEMS INC YUMA ARIZONA INDIALANTIC FLORIDA MFLBOURNE FLORIDA LANHAM MARYLAND	S 2,007 * 188 1,120 513 186
193	DECISIONS & DESIGNS INC WASHINGTON DC MCLFAN VIRGINIA	S 2,518 * 49 2,469	223	MEGATEK CORP SAN DIEGO CALIFORNIA	S 1,990 * 1,990
194	ACUREX CORP MONROVIA CALIFORNIA MOUNTAIN VIEW CALIFORNIA WRIGHT PATTERS OHIO	S 2,509 * 25 2,130 754	226	A L S ELECTRONICS CORP ANANEIM CALIFORNIA	S 1,904 * 1,904
195	NEWPORT NEWS SHIPBLD & NEWPORT NEWS OPV DOCK CO VIRGINIA	2,500 * 2,500	227	WHITTAKER CORP CHATSWORTH CALIFORNIA NEWMALL CALIFORNIA NORTH HOLLYWOOD CALIFORNIA WALTHAM MASS	1,900 * 1,551 57 170 122
196	CLARK EQUIPMENT CO BENTON HARROR MICHIGAN	2,489 * 2,489	228	TELEDYNE INC NORTHRIIDGE CALIFORNIA SAN DIEGO CALIFORNIA TIMONIUM MARYLAND	1,893 * 1,657 197 39
197	BELL & HOWELL CO HUNTSVILLE ALABAMA PASADENA CALIFORNIA CHICAGO ILLINOIS	2,478 * 34 2,394 50	229	HEAD TECHNOLOGY LABORATORIES DAYTON OHIO WRIGHT PATTERS OHIO	1,879 * 1,369 510
199	EASTMAN KODAK CO ROCHESTER NEW YORK	2,473 * 2,473	231	S D C INTEGRATED SERVICES INC SAN DIEGO CALIFORNIA SANTA MONICA CALIFORNIA HOLLAMAN AFB NEW MEXICO WARMINSTER PA	1,793 * 885 221 348 339
200	PROTOTYPE DEVELOPMENT INC SANTA ANA CALIFORNIA	S 2,411 * 2,411			
203	ENSCO INC SATELLITE BEAC FLORIDA SPRINGFIELD VIRGINIA	S 2,362 * 449 1,913			

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
232	PACIFIC SIERRA RESEARCH CORP SANTA MONICA CALIFORNIA	S 1,787 * 1,787	255	SEMDOR INC WASHINGTON DC CHERRY HILL NEW JERSEY MOORESTOWN NEW JERSEY	S 1,655 * 99 51 1,605
233	AMERICAN ELECTRONIC LABS INC WALL TOWNSHIP NEW JERSEY LANSDALE PA MONTGOMERYVILL PA	1,772 * 669 1,803 180	256	ELECTROSPACE SYSTEMS INC RICHARDSON TEXAS	S 1,645 * 1,645
235	PERCEPTONICS INC WOODLAND HILLS CALIFORNIA	S 1,764 * 1,764	257	FIBER MATERIALS INC BIODEFORD MAINE	S 1,637 * 1,637
236	HYDROSCIENCE INC DALLAS TEXAS	1,760 * 1,760	260	PLANNING SYSTEMS INC MCLEAN VIRGINIA	S 1,607 * 1,607
237	ANALYSIS & TECHNOLOGY INC GROTON CONN STONINGTON CONN NORFOLK VIRGINIA VIRGINIA BEACH VIRGINIA	S 1,757 * 297 1,300 44 116	261	CONTINENTAL ELECTRON DALLAS TEXAS	S 1,600 * 1,600
238	CIKWOOD INDUSTRIES INC WESTWOOD CALIFORNIA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO ROSE NEW YORK	S 1,747 * 1,021 465 205 56	264	XONICS INC FL SEGUNDO CALIFORNIA VAN NUYS CALIFORNIA	S 1,570 * 772 794
239	INTERNATIONAL HARVESTER CO SAN DIEGO CALIFORNIA MINDALE ILLINOIS FORT WAYNE INDIANA	1,740 * 1,741 11 12-	265	WESTERN GEAR CORP JAMESTOWN NOAK	1,569 * 1,569
242	AUERBACH ASSOCIATES INC PHILADELPHIA PA ARLINGTON VIRGINIA	S 1,723 * 36 1,697	266	ELECTROSPACE CORP RICHARDSON TEXAS	S 1,550 * 1,550
243	EFFECTS TECHNOLOGY INC SANTA BARBARA CALIFORNIA	1,720 * 1,720	268	DATACOM INC FORT WALTON BE FLORIDA	S 1,533 * 1,533
244	AUSTIN RESEARCH ASSOCIATES AUSTIN TEXAS	S 1,705 * 1,705	271	INTERMETRICS INC CAMBRIDGE MASS WRIGHT PATTERS OHIO	S 1,511 * 1,156 355
245	CHAMBERLAIN MFG CORP WATERLOO IOWA	1,704 * 1,704	273	ANALYTICS INC HANSCOM AFB MASS NEW SHREWSBURY NEW JERSEY JENKINTOWN PA WILLOW GROVE PA MCLEAN VIRGINIA	S 1,465 * 62 25 60 645 673
246	REACTIVE METALS INC NILES OHIO	1,700 * 1,700	274	INOCO U S A LOS ANGELES CALIFORNIA	1,444 * 1,444
249	DIGITAL COMMUNICATIONS CORP GAITHERSBURG MARYLAND	1,696 * 1,696	276	QUESTRON CORP EL SEGUNDO CALIFORNIA SAN DIEGO CALIFORNIA	S 1,412 * 1,149 264
250	INCO INC ENT AFB COLORADO MCLEAN VIRGINIA	S 1,694 * 295 1,399	277	LITTLE ARTHUR D INC CAMBRIDGE MASS	1,389 * 1,389
251	COMPUTER CORP OF AMERICA CAMBRIDGE MASS ARLINGTON VIRGINIA	S 1,691 * 1,616 75	278	TRACOR MARINE INC PORT EVERGLADE VIRGIN IS FLORIDA	1,362 * 155 1,207
252	STANFORD TELECOMMUNICATIONS INC MOUNTAIN VIEW CALIFORNIA PLEASANTON CALIFORNIA SUNNYVALE CALIFORNIA	S 1,674 * 534 80 1,060	280	BURROUGHS CORP PAOLI GERMANY PA	1,333 * 17- 1,350
253	WATKINS JOHNSON CO PALO ALTO CALIFORNIA GAITHERSBURG MARYLAND ROCKVILLE MARYLAND	1,674 * 1,532 105 37	281	B K DYNAMICS INC SAN DIEGO CALIFORNIA ROCKVILLE MARYLAND	S 1,329 * 155 1,174
254	M B ASSOCIATES SAN RAMON CALIFORNIA LILLINGTON NCAR	S 1,660 * 668 992	282	PACER SYSTEMS INC BURLINGTON MASS FORT WASHINGTON PA	S 1,314 * 343 971

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S * SMALL BUSINESS

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
284	C C I CORP VAN NUYS CALIFORNIA	1,300 *	311	GICHNER MOBILE SYSTEMS DALLASTOWN PA OLD FORGE PA	1,061 * 31 1,030
287	S K F INDUSTRIES INC KING OF PRUSS PA	1,283 * 1,283	313	WEIHLINGER ASSOCIATES CONSULT ENGR MENLO PARK CALIFORNIA NEW YORK NEW YORK	S 1,045 * 15 1,030
288	SCHAFER W J ASSOCIATES IN MARPLEHEAD MASS WAKEFIELD MASS	S 1,265 * 469 796	314	SYSTEMS ENGINEERING LABORATORIES WILLIAMS AFB ARIZONA FORT LAUDERDAL FLORIDA	S 1,028 * 1,013 15
289	HYCOR INC WUROPN MASS	S 1,253 * 1,253	315	ANALYSIS & COMPUTER SYSTEMS INC BEDFORD MASS BURLINGTON MASS	S 1,022 * 1,007 15
290	KAISER INDUSTRIES CORP OAKLAND CALIFORNIA	1,225 * 1,225	317	HEWLETT PACKARD CO PALO ALTO CALIFORNIA POINT MUGU CALIFORNIA SAN DIEGO CALIFORNIA SANTA CLARA CALIFORNIA SANTA ROSA CALIFORNIA LOVELAND COLORADO ROCKVILLE MARYLAND CORVALLIS OREGON KING OF PRUSS PA	1,013 * 386 11 11 27 146 16 34 354 24
292	X Y Z Y X INFORMATION CORP CANDLER PARK CALIFORNIA	S 1,217 * 1,217	318	AMPEX CORP GLENDALE CALIFORNIA REDWOOD CITY CALIFORNIA VANDENBERG AFB CALIFORNIA BETHESDA MARYLAND	1,012 * 171 761 45 35
297	ALUMINUM CO OF AMERICA ALCOA CENTER PA PITTSBURGH PA	1,212 * 1,142 70	319	FORD MOTOR CO DEARBORN MICHIGAN	1,010 * 1,010
294	FIRESTONE TIRE & RUBBER CO AKRON OHIO	1,195 * 1,195	320	BENDIX FIELD ENGINEERING CORP COLUMBIA MARYLAND MERCURY NEVADA	1,008 * 965 43
295	TECHNOLOGY INC CARSON CALIFORNIA DAYTON OHIO WRIGHT PATTERS OHIO BROOKS AFB TEXAS HOUSTON TEXAS SAN ANTONIO TEXAS	1,191 * 20 475 92 366 20 218	321	TEAGUE WALTER DORMIN ANAHEIM CALIFORNIA OXNARD CALIFORNIA SUNNYVALE CALIFORNIA	S 1,006 * 436 134 436
298	MAR INC PANAMA CITY FLORIDA ROCKVILLE MARYLAND	S 1,143 * 136 1,007	322	SEACO INC KAILUA VILLAGE HAWAII	S 992 * 992
299	VARO INC GARLAND TEXAS	1,143 * 1,143	323	ROME RESEARCH CORP GRIFFISS AFB NEW YORK ROME NEW YORK	S 987 * 644 343
300	NORTH AMERICAN PHILIPS CORP BRIARCLIFF MAN NEW YORK	1,136 * 1,136	324	PHOTO SONICS INC BURBANK CALIFORNIA	S 986 * 986
301	RALSTON PURINA CO ST LOUIS MISSOURI	1,134 * 1,134	325	SYSTEMS TECHNOLOGY INC WANTHORNE CALIFORNIA	S 986 * 986
302	HUGHES RESEARCH LABORATORIES MALIBU CALIFORNIA	1,123 * 1,123	326	P E SYSTEMS INC ALEXANDRIA VIRGINIA FAIRFAX VIRGINIA SPRINGFIELD VIRGINIA	S 983 * 643 114 226
303	DELEX SYSTEMS INC VIENNA VIRGINIA	S 1,118 * 1,118	327	INDUSTRIAL ELECTRIC MOTORS INC WEST ALLIS WISCONSIN	S 980 * 980
304	BOEING COMPUTER SERVICES INC OXNARD CALIFORNIA FALLS CHURCH VIRGINIA SEATTLE WASHINGTON	1,089 * 62 19 1,008	328	DOTY ASSOCIATES ROCKVILLE MARYLAND	S 976 * 976
305	SYSTEM AUTOMATION CORP SILVER SPRING MARYLAND	S 1,088 * 1,088	329	MATTECH INC BETHESDA MARYLAND PRINCETON NEW JERSEY APLINGTON VIRGINIA	973 * 155 102 716
307	C M R INC NEEDHAM HEIGHT MASS NEWTON MASS	S 1,078 * 761 317			
308	AERODYNE RESEARCH INC BEDFORD MASS	S 1,077 * 1,077			
310	WAGNER DANIEL W ASSOCIATES INC PAOLI PA	S 1,063 * 1,063			

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330	BEECH AIRCRAFT CORP WICHITA KANSAS WHITE SANDS MS NEW MEXICO	470 * 490 40	356	ULTRASYS INC IRVINE CALIFORNIA	890 * 890
331	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA	970 * 970	357	PARVANT OPTICAL CO INC WALHALLA NEW YORK	894 * 894
332	SYSTEMATICS GENERAL CORP FALLS CHURCH VIRGINIA MCLEAN VIRGINIA	469 * 741 724	358	HIGHER ORDER SOFTWARE INC CAMBRIDGE MASS	894 * 894
333	STEIN ASSOCIATES INC WALTHAM MASS	469 * 954	359	FREQUENCY & TIME SYSTEMS INC DANVERS MASS	891 * 891
334	RADIAN INC ALEXANDRIA VIRGINIA	462 * 952	360	DYNELL ELECTRONICS CORP MELVILLE NEW YORK	894 * 894
335	CONSOLIDATED ANALYSIS CENTER INC WASHINGTON DC ARLINGTON VIRGINIA	941 * 302 639	361	AERONAUTICAL RESEARCH ASSOCIATES PORT REPUBLIC NEW JERSEY PRINCETON NEW JERSEY	890 * 50 800
336	OPERATING SYSTEMS INC TARZANA CALIFORNIA WOODLAND HILLS CALIFORNIA	934 * 339 596	362	KENTRON INTERNATIONAL INC WANDERBERG AFB CALIFORNIA	890 * 890
337	AEROMET INC TULSA OKLAHOMA	933 * 933	370	KAPPA SYSTEMS INC COLORADO SPRGS COLORADO WILLOW GROVE PA ARLINGTON VIRGINIA	894 * 280 40 524
338	HYDROTRONICS FALLS CHURCH VIRGINIA MCLEAN VIRGINIA	933 * 45 884	372	HORIZONS TECHNOLOGY INC SAN DIEGO CALIFORNIA	891 * 891
339	ARGO SYSTEMS INC PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA	932 * 492 440	375	PHYSICAL SCIENCES CORP WAKEFIELD MASS WOBURN MASS	894 * 244 590
340	OCEAN DATA SYSTEMS INC MONTEREY CALIFORNIA ROCKVILLE MARYLAND	929 * 62 867	377	DENELCOR INC DENVER COLORADO	895 * 825
342	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	925 * 925	378	GEODYNAMICS CORP SANTA BARBARA CALIFORNIA SPRINGFIELD VIRGINIA	894 * 814 10
343	POSEIDON RESEARCH LOS ANGELES CALIFORNIA SHEPHERD OAKS CALIFORNIA	924 * 558 366	390	M & S COMPUTING INC HUNTSVILLE ALABAMA	812 * 812
345	I R T CORP SAN DIEGO CALIFORNIA	919 * 919	391	DEVELOPMENT ENGINEERING INC GRAND JUNCTION COLORADO	807 * 807
346	TECHNICAL ENGINEERING SERVICE INC SAN DIEGO CALIFORNIA	917 * 917	392	INFORMATION SPECTRUM INC CHERRY HILL NEW JERSEY ARLINGTON VIRGINIA	807 * 498 317
347	BIOMETRICS INC GARLAND TEXAS	909 * 909	395	CANYON RESEARCH GROUP INC FORT ORD CALIFORNIA WESTLAKE VILLA CALIFORNIA	799 * 40 754
349	DYNETICS INC HUNTSVILLE ALABAMA	905 * 905	396	M R C CORP BALTIMORE MARYLAND HUNT VALLEY MARYLAND	799 * 98 788
350	ATLANTIC ANALYSIS CORP NORFOLK VIRGINIA	896 * 896	397	UNIVERSAL TECHNOLOGY CORP DAYTON OHIO	791 * 791
351	PHYSICAL DYNAMICS INC BERKELEY CALIFORNIA LA JOLLA CALIFORNIA	896 * 157 739	398	SIMULATION TECHNOLOGY INC DAYTON OHIO	787 * 787
352	SPECTRA RESEARCH SYSTEMS INC IRVINE CALIFORNIA	895 * 895	399	EAGLE PITCHER INDUSTRIES INC JOPLIN MISSOURI	785 * 785
353	VISIDYNE INC BURLINGTON MASS	893 * 893	391	TELDYNE CAMERA SYSTEMS ARCADIA CALIFORNIA	784 * 784

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RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
392	CENTER FOR PLANNING & RESEARCH INC PALO ALTO CALIFORNIA	S 779 *	420	G P D CO HARMINSTER PA	S 680 *
394	ARETE ASSOCIATES INC SANTA MONICA CALIFORNIA	S 774 *	421	INNOVA INC CLEARWATER FLORIDA	S 679 *
395	HUMAN SCIENCES RESEARCH INC MCLEAN VIRGINIA	S 766 *	422	LIFE SYSTEMS INC CLEVELAND OHIO	S 679 *
396	MECHANICAL TECHNOLOGY INC HYDE PARK NEW YORK LATHAM NEW YORK	761 * 77	423	MARK RESOURCES INC MARINA DEL REY CALIFORNIA	S 678 *
397	PACIFICA TECHNOLOGY DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA	S 760 * 602 158	424	APPLIED DATA RESEARCH INC VIENNA VIRGINIA	S 676 *
398	CHALCO ENGINEERING CORP EDWARDS AFB CALIFORNIA	S 749 *	425	ENVO INC VIENNA VIRGINIA	S 672 *
399	SUMMIT RESEARCH CORP GAITHERSBURG MARYLAND	S 748 *	426	MELIX TECHNOLOGY CORP CAMBRIDGE MASS WALTHAM MASS	670 * 744 426
400	PEAT MARWICK MITCHELL & CO WASHINGTON DC	742 * 742	428	SOLAR TURRINES INTERNATIONAL SAN DIEGO CALIFORNIA	662 * 662
401	WHEELERS INDUSTRIES INC WASHINGTON DC	S 738 *	429	GULF & WESTERN INDUSTRIES INC ANAHEIM CALIFORNIA SMARTHMOPE PA	658 * 93 565
402	COULTER INFORMATION SYSTEMS INC BEDFORD MASS	S 736 *	430	SYNECTICS CORP ROME NEW YORK ALLISON PARK PA	S 658 * 124 634
403	POLAR RESEARCH LABORATORY INC SANTA BARBARA CALIFORNIA	S 735 *	431	PRORE SYSTEMS INC SUNNYVALE CALIFORNIA	S 651 *
404	P R C TECHNICAL APPLICATIONS HUNTSVILLE ALABAMA MCLEAN VIRGINIA	727 * 708 19	432	SANTA FE CORP ALEXANDRIA VIRGINIA	S 650 *
408	ADVANCED RESEARCH & APPL CORP SUNNYVALE CALIFORNIA	S 706 *	433	VREDENBURG R M & CO MCLEAN VIRGINIA	S 647 *
409	MASSACHUSETTS COMPUTER ASSOCIATES WAKEFIELD MASS	S 705 *	434	COLUMBIA RESEARCH CORP LEXINGTON PARK MARYLAND ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	S 642 * 19 246 378
410	APPLIED SCIENCE ASSOCIATES INC APEX NCAR VALENCIA PA FORT RLISS TEXAS	S 696 * 29 577 90	435	INFORMATION DEV & APPLICATIONS BELTSVILLE MARYLAND RIVERDALE MARYLAND	S 639 *
411	WASHINGTON TECHNOLOGICAL ASSOC ROCKVILLE MARYLAND	S 696 *	436	BIRD ENGINEERING RESEARCH ASSOC VIENNA VIRGINIA	S 638 *
412	SPEARS ASSOCIATES INC NEWTON MASS WALTHAM MASS	S 694 * 131 563	437	KINTON INC ALEXANDRIA VIRGINIA	S 632 *
413	SPIPE CORP BEDFORD MASS	S 693 *	438	PACIFIC ANALYSIS CORP HONOLULU CITY HAWAII	S 632 *
414	SANTA BARBARA RESEARCH CENTER GOLETA CALIFORNIA	689 * 689	439	ASH STEVENS INC DETROIT MICHIGAN	S 627 *
416	IMAGE GRAPHICS INC FAIRFIELD CONN	S 687 *	440	ENERGY TRANSFORMATION CORP BOYERTOWN PA	S 625 *
417	OCEAN TECHNOLOGY INC BURBANK CALIFORNIA	687 * 687	441	TELEDYNE M E C PALO ALTO CALIFORNIA	625 * 625
419	TERRA TEK INC SALT LAKE CITY UTAH	S 682 *	442	BIO MED INC SILVER SPRING MARYLAND	S 624 *

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

SECTION I - U. S. BUSINESS FIRMS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
443	SUNALYSIS INC WATERFORD CONN	620 * 620	468	ORINCON CORP LA JOLLA CALIFORNIA SAN DIEGO CALIFORNIA	568 * 497 71
444	ELECTRONIC COMMUNICATIONS INC ST PETERSBURG FLORIDA	618 * 618	469	C T E C FALLS CHURCH VIRGINIA	566 * 566
445	DIGITAL EQUIPMENT CORP SUNNYVALE CALIFORNIA VANDENBERG AFB CALIFORNIA LANHAM MARYLAND MARLBORO MASS MOBURN MASS ALBUQUERQUE NEW MEXICO BLUE BELL PA	615 * 28 21 30 49 45 425 17	470	CALIFORNIA RESEARCH & TECHNOLOGY WOODLAND HILLS CALIFORNIA	565 * 565
446	SPARTON CORP JACKSON MICHIGAN	615 * 615	471	BESELER CHARLES CO EAST ORANGE NEW JERSEY	564 * 564
447	MERRIT J L CONSLT & SPEC ENGR SVS REDLANDS CALIFORNIA	610 * 610	472	VECTOR RESEARCH INC GAITHERSBURG MARYLAND ANN ARBOR MICHIGAN	564 * 78 486
448	DIGITAL TECHNOLOGY INC URBANA ILLINOIS	607 * 607	474	DECISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	568 * 568
450	INTERNATIONAL LASER SYSTEMS INC ORLANDO FLORIDA KIRTLAND AFB NEW MEXICO	604 * 45- 649	475	MENASCO MFG CO INC BURBANK CALIFORNIA	555 * 555
451	CALIFORNIA MICROWAVE SUNNYVALE CALIFORNIA	602 * 602	476	METCUT RESEARCH ASSOCIATES INC CINCINNATI OHIO	555 * 555
453	KEYSTONE COMPUTER ASSOCS INC FORT WASHINGTON PA WARMINSTER PA	596 * 533 63	478	INTERNATIONAL COMPUTING CO WRIGHT PATTERS OHIO	547 * 547
454	SUSQUEHANNA CORP ALEXANDRIA VIRGINIA	594 * 594	480	BLOCK ENGINEERING INC CAMBRIDGE MASS	541 * 541
455	XYBION CORP CEDAR KNOLLS NEW JERSEY MORRISTOWN NEW JERSEY	593 * 545 48	481	INTELCOM RAD TECH SAN DIEGO CALIFORNIA	541 * 541
457	TECHNITROL INC PHILADELPHIA PA	582 * 582	483	S C I SYSTEMS INC HUNTSVILLE ALABAMA	527 * 527
458	MEASUREMENT CONCEPT CORP ROME NEW YORK	580 * 580	485	LITTON BIONETICS INC KENSINGTON MARYLAND	521 * 521
459	RAYTHEON SERVICE CO BEDFORD MASS WRIGHT PATTERS OHIO ARLINGTON VIRGINIA	580 * 123 372 85	486	SYSTEM ENHANCEMENT SERVICES CO INC ARLINGTON VIRGINIA	517 * 517
460	LOGIMETRICS INC PLAINVIEW NEW YORK	579 * 579	488	SUPERIOR STEEL DOOR & TRIM CO INC COLLEGE POINT NEW YORK	511 * 511
463	NICHOLS RESEARCH CORP HUNTSVILLE ALABAMA	575 * 575	490	HARBIDGE HOUSE INC WASHINGTON DC BOSTON MASS	508 * 156 354
464	STERLING WALTER V INC BURBANK CALIFORNIA CHINA LAKE CALIFORNIA ORANGE CALIFORNIA RIDGECREST CALIFORNIA	575 * 84 97 222 172	491	CACI INC FEDERAL ARLINGTON VIRGINIA	507 * 507
465	DAYRON CORP ORLANDO FLORIDA	574 * 574	492	CARSON ALEXIOU CORP COSTA MESA CALIFORNIA IRVINE CALIFORNIA NORWALK CONN SUDBURY MASS	505 * 188 18 34 265
467	ESSEX CORP SAN DIEGO CALIFORNIA ALEXANDRIA VIRGINIA	568 * 30 538	494	RAYMOND ENGINEERING INC MIDDLETOWN CONN	502 * 502
			495	AMBAC INDUSTRIES INC GARDEN CITY NEW YORK FORT WASHINGTON PA	501 * 280 301
			496	DYNAMICS TECHNOLOGY INC TORRANCE CALIFORNIA	496 * 496

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

FISCAL YEAR 1978

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)
S = SMALL BUSINESS

SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1978

PANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	PANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
15	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND SCAGGSVILLE MARYLAND	134,607 * 981 133,626		BATTELLE MEMORIAL INSTITUTE RICHLAND WASHINGTON SEATTLE WASHINGTON	1,754 63
18	MASSACHUSETTS INSTITUTE TECHNOLOGY CAMBRIDGE MASS LEXINGTON MASS	110,720 * 13,235 97,485	74	ROCHESTER UNIVERSITY OF ROCHESTER NEW YORK ARLINGTON VIRGINIA	12,217 * 3,806 9,211
22	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	73,299 * 73,299	79	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	11,470 * 11,470
24	MITRE CORP BEDFORD MASS MCLEAN VIRGINIA	69,207 * 68,970 237	80	DAYTON UNIVERSITY OF WILLIAMS AFB ARIZONA EDWARDS AFB CALIFORNIA KIRTLAND AFB NEW MEXICO DAYTON OHIO WRIGHT PATTERS OHIO	11,211 * 352 104 2,370 4,119 4,266
48	S R I INTERNATIONAL MENLO PARK CALIFORNIA STANFORD CALIFORNIA WASHINGTON DC ARLINGTON VIRGINIA	26,296 * 25,746 168 150 632	81	AEROSPACE CORP EL SEGUNDO CALIFORNIA	17,931 * 10,931
51	CALIFORNIA UNIVERSITY OF BERKELEY CALIFORNIA DAVIS CALIFORNIA IRVINE CALIFORNIA LA JOLLA CALIFORNIA LOS ANGELES CALIFORNIA RIVERSIDE CALIFORNIA SAN DIEGO CALIFORNIA SAN FRANCISCO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA CRUZ CALIFORNIA SEPULVEDA CALIFORNIA WRIGHT PATTERS OHIO	23,602 * 5,304 219 352 7,073 3,382 68 3,889 181 316 164 43 2,661	82	I I T RESEARCH INSTITUTE CHICAGO ILLINOIS ANNAPOLIS MARYLAND GRIFFISS AFB NEW YORK WRIGHT PATTERS OHIO	10,427 * 1,590 8,575 568 94
60	RAND CORP SANTA MONICA CALIFORNIA	16,866 * 16,866	88	ALASKA UNIVERSITY OF BARROW VILLAGE ALASKA FAIRBANKS CITY ALASKA	9,420 * 9,538 282
63	TEXAS UNIVERSITY OF HOLLAMAN AFB NEW MEXICO ARLINGTON TEXAS AUSTIN TEXAS DALLAS TEXAS EL PASO TEXAS GALVESTON TEXAS RICHARDSON TEXAS	15,812 * 79 52 14,808 90 464 277 42	89	SOUTHERN CALIFORNIA UNIVERSITY OF LOS ANGELES CALIFORNIA	9,809 * 9,809
65	INSTITUTE FOR DEFENSE ANALYSIS PRINCETON NEW JERSEY ARLINGTON VIRGINIA	15,172 * 3,330 11,842	93	NEW MEXICO STATE UNIVERSITY CANADA ALBUQUERQUE NEW MEXICO LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	4,781 * 456 201 3,987 4,137
66	PENNSYLVANIA STATE UNIVERSITY STATE COLLEGE PA UNIVERSITY PARK PA	14,736 * 13,930 806	95	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS ANNAPOLIS MARYLAND HANSCOM AFB MASS GRIFFISS AFB NEW YORK ROME NEW YORK WRIGHT PATTERS OHIO	4,710 * 2,068 5,720 15 593 275 39
69	BATTELLE MEMORIAL INSTITUTE MUNTSVILLE ALABAMA REDSTONE ARSEN ALABAMA EL SEGUNDO CALIFORNIA SAN DIEGO CALIFORNIA WASHINGTON DC ATLANTA GEORGIA ABERDEEN PROV MARYLAND WARREN MICHIGAN DOVER NEW JERSEY FORT MONMOUTH NEW JERSEY WHITE SANDS MS NEW MEXICO COLUMBUS OHIO BROOKS AFB TEXAS FORT BLISS TEXAS ALEXANDRIA VIRGINIA FALLS CHURCH VIRGINIA FORT BELVOIR VIRGINIA FORT EUSTIS VIRGINIA FORT MONROE VIRGINIA	14,423 * 269 480 35 37 25 44 95 459 163 188 121 11,040 17 14 38 10 24 196 59	104	STANFORD UNIVERSITY MENLO PARK CALIFORNIA STANFORD CALIFORNIA	7,540 * 269 7,271
			108	WASHINGTON UNIVERSITY OF ST LOUIS MISSOURI SEATTLE WASHINGTON	7,307 * 31 7,276
			115	WOODS HOLE OCEANOGRAPHIC INST WOODS HOLE MASS	6,579 * 6,579
			127	NEW MEXICO UNIVERSITY OF LAKE NAVASU CI ARIZONA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	5,191 * 278 4,658 255
			128	ANALYTIC SERVICES INC WILLOW GROVE PA ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	5,184 * 94 717 4,373
			138	ENVIRONMENTAL RSCH INST OF MICH ANN ARBOR MICHIGAN YPSILANTI MICHIGAN	4,714 * 3,680 1,114

* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
149	COLUMBIA UNIVERSITY NEW YORK PALISADES NEW YORK	4,283 * 1,930 2,353	228	PURDUE RESEARCH FOUNDATION LAFAYETTE WEST LAFAYETTE INDIANA INDIANA	2,818 * 591 1,427
159	CARNEGIE MELLON UNIVERSITY PITTSBURGH PA	3,707 * 3,787	271	OHIO STATE UNIV RESERCH FOUNDATION COLUMBUS OHIO	2,017 * 2,017
160	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	3,592 * 3,592	224	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	1,955 * 1,955
161	ILLINOIS UNIVERSITY OF CHAMPAIGN CHICAGO URBANA ILLINOIS ILLINOIS ILLINOIS	3,590 * 144 216 3,230	225	YALE UNIVERSITY NEW HAVEN CONN	1,939 * 1,939
175	PENNSYLVANIA UNIVERSITY OF WASHINGTON PHILADELPHIA DC PA	3,169 * 50 3,119	230	HUMAN RESOURCES RESEARCH ORGN FORT ORD MONTREY FORT KNOX LOUISVILLE ALEXANDRIA GERMANY CALIFORNIA CALIFORNIA KENTUCKY KENTUCKY VIRGINIA	1,848 * 413 42 305 386 74 628
179	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK	3,025 * 3,025	234	OKLAHOMA STATE UNIVERSITY OF STILLWATER OKLAHOMA	1,766 * 1,766
181	UTAH STATE UNIVERSITY LOGAN UTAH	2,992 * 2,992	240	OREGON STATE UNIVERSITY CORVALLIS OREGON	1,731 * 1,731
182	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	2,991 * 2,991	241	FLORIDA TECHNOLOGICAL UNIVERSITY ORLANDO FLORIDA	1,728 * 1,728
184	HARVARD UNIVERSITY BOSTON CAMBRIDGE MASS MASS	2,780 * 48 2,652	247	BOSTON COLLEGE CHESTNUT HILL NEWTON WESTON MASS MASS MASS	1,699 * 987 462 258
189	ARIZONA UNIVERSITY OF IGLOO MARYS IG TUCSON ALASKA ARIZONA	2,653 * 65 2,588	248	SAN DIEGO STATE COLLEGE FOUNDATION SAN DIEGO CALIFORNIA	1,697 * 1,697
198	GEORGIA INSTITUTE TECH PANAMA CITY ATLANTA FLORIDA GEORGIA	2,477 * 80 2,397	258	DENVER UNIVERSITY OF DENVER CANADA COLORADO	1,621 * 53 1,568
201	MICHIGAN UNIVERSITY OF ANN ARBOR PONTIAC MICHIGAN MICHIGAN	2,379 * 2,364 15	259	SYRACUSE UNIVERSITY ROME SYRACUSE NEW YORK NEW YORK	1,613 * 130 1,483
202	MIAMI UNIVERSITY OF CORAL GABLES MIAMI FLORIDA FLORIDA	2,371 * 2,291 80	267	RESEARCH TRIANGLE INSTITUTE TRIANGLE PARK NCAR	1,535 * 1,535
206	WISCONSIN UNIVERSITY OF MADISON MILWAUKEE WISCONSIN WISCONSIN	2,327 * 2,272 55	269	NEW YORK POLYTECHNIC INSTITUTE BROOKLYN FARMINGDALE NEW YORK NEW YORK NEW YORK	1,528 * 1,272 140 116
208	PALISADES GEOPHYSICAL INSTITUTE MIAMI BLAUVELT BERMUDA FLORIDA NEW YORK	2,307 * 1,058 588 661	278	SALK INSTITUTE THE SWIFTWATER PA	1,514 * 1,514
214	CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA	2,218 * 2,218	272	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	1,497 * 1,497
217	HAWAII UNIVERSITY OF HONOLULU CITY PEARL HARBOR HAWAII HAWAII	2,111 * 2,878 41	275	NEW YORK STATE UNIV RESEARCH FOUND ALBANY BUFFALO STONY BROOK NEW YORK NEW YORK NEW YORK	1,444 * 988 488 56
218	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	2,053 * 2,053	279	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK	1,348 * 1,238 118
219	MARYLAND UNIVERSITY OF BALTIMORE COLLEGE PARK MARYLAND MARYLAND	2,053 * 165 1,888	283	MERTWORTH INSTITUTE BOSTON MASS	1,386 * 1,386

- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

SECTION II - NON-PROFIT INSTITUTIONS

FISCAL YEAR 1976

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
285	COLORADO UNIVERSITY BOULDER COLORADO DENVER COLORADO	1,299 * 1,201 97	471	DYKE UNIVERSITY JERMAN NEWARK	744 * 744
286	SYRACUSE UNIVERSITY RESEARCH CORP SYRACUSE NEW YORK	1,298 * 1,298	472	AMERICAN INSTITUTE FOR RESEARCH PALM ALTO CALIFORNIA WASHINGTON DC BETHESDA MARY	474 * 474 473 474
291	MIDWEST RESEARCH INSTITUTE KANSAS CITY MISSOURI WRIGHT PATTERS OHIO	1,223 * 1,145 78	474	CINCINNATI UNIVERSITY OF CINCINNATI OHIO WRIGHT PATTERS OHIO	474 * 474 474
296	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	1,187 * 1,187	476	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	477 * 477
297	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	1,115 * 1,165	477	NEW YORK UNIVERSITY NEW YORK NEW YORK	477 * 477
305	VIRGINIA POLYTECHNIC INSTITUTE BLACKSBURG VIRGINIA LANGLEY AFB VIRGINIA	1,079 * 1,064 13	483	KENNESAW POLYTECHNIC INSTITUTE TROY NEW YORK	479 * 479
307	TENNESSEE UNIVERSITY OF KNOXVILLE TENNESSEE MEMPHIS TENNESSEE TULLAHOA TENNESSEE	1,055 * 940 74 189	484	MASSACHUSETTS UNIVERSITY OF AMHERST MASS WORCESTER MASS	487 * 714 484
312	NORTHEASTERN UNIVERSITY BOSTON MASS	1,055 * 1,055	490	OHIO STATE UNIVERSITY THE COLUMBUS OHIO	744 * 744
341	GEORGETOWN UNIVERSITY WASHINGTON DC	927 * 927	493	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	775 * 775
344	SOUTHEASTERN CTR ELECT ENGR EDUC AUBURN ALABAMA WRIGHT PATTERS OHIO	924 * 496 428	495	TEXAS A & M RESEARCH FOUNDATION COLLEGE STATION TEXAS DALLAS TEXAS	776 * 418 298
348	MINNESOTA UNIVERSITY OF MINNEAPOLIS MINNESOTA ST PAUL MINNESOTA	909 * 700 209	496	AUBURN UNIVERSITY AUBURN ALABAMA	776 * 776
354	AMERICAN UNIVERSITY WASHINGTON DC	890 * 890	497	IOWA UNIVERSITY OF IOWA CITY IOWA	776 * 776
356	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	889 * 688 201	498	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	688 * 688
358	VIRGINIA UNIVERSITY OF CHARLOTTESVILLE VIRGINIA	878 * 878	499	BOSTON UNIVERSITY BOSTON MASS	688 * 688
359	BROWN UNIVERSITY PROVIDENCE RI	876 * 876	499	PALISADES INSTITUTE NEW YORK NEW YORK	688 * 688
360	GEOPHYSICAL INSTITUTE OF ALASKA COLLEGE VILLAGE ALASKA FAIRBANKS CITY ALASKA	875 * 113 762	499	REGIS COLLEGE WESTON MASS	688 * 688
361	CATHOLIC UNIVERSITY OF AMERICA WASHINGTON DC	874 * 874	499	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	688 * 688
364	RHODE ISLAND UNIVERSITY OF KINGSTON RI	861 * 861	499	CLARKSON COLLEGE OF TECHNOLOGY POTSDAM NEW YORK	688 * 688
365	TEXAS A & M UNIVERSITY COLLEGE STATION TEXAS	857 * 857	499	LEHIGH UNIVERSITY BETHLEHEM PA	688 * 688
367	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA TALLAHASSEE FLORIDA	852 * 17 936	499	NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR WILMINGTON NCAR	688 * 490 86
			499	MUDSON INSTITUTE CROTON ON HUDSON NEW YORK	688 * 688
			499	EMMANUEL COLLEGE BOSTON MASS LEXINGTON MASS	688 * 384 174

* - MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

FISCAL YEAR 1978

- ± MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

FISCAL YEAR 1978

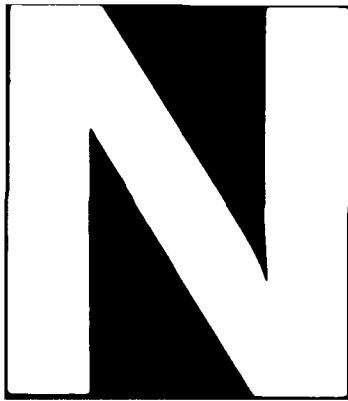
- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

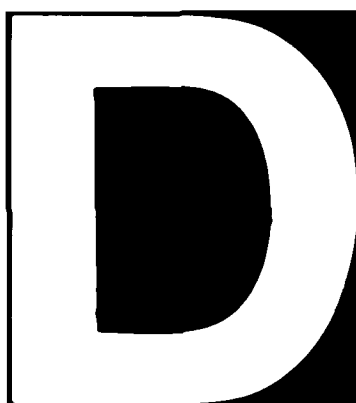
SECTION IV - U. S. GOVERNMENT AGENCIES

FISCAL YEAR 1978

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
99	UNITED STATES SMALL BUSINESS ADMIN	8,120 *			
	HUNTSVILLE ALABAMA	577			
	LOS ANGELES CALIFORNIA	103			
	MONTREY CALIFORNIA	45			
	MURTON AFB CALIFORNIA	40			
	SAN DIEGO CALIFORNIA	42			
	VANDENBERG AFB CALIFORNIA	196			
	WASHINGTON DC	273			
	CHICAGO ILLINOIS	253			
	BETHESDA MARYLAND	534			
	RIVERDALE MARYLAND	23			
	CAMBRIDGE MASS	2,104			
	DEDMAM MASS	30			
	WATERDOWN MASS	63			
	NEW YORK NEW YORK	50			
	BALA CYNWYD PA	402			
	FORT WASHINGTO PA	394			
	WARMINSTER PA	111			
	ARLINGTON TEXAS	2,703			
	ALEXANDRIA VIRGINIA	14			
	ARLINGTON VIRGINIA	108			
	FAIRFAX VIRGINIA	26			
	MCLFAN VIRGINIA	29			
123	NATIONAL ACADEMY OF SCIENCES	5,411 *			
	WASHINGTON DC	5,307			
	ABERDEEN PROV MARYLAND	104			
125	UNITED STATES NATL AERO SPACE AGY	5,274 *			
	PASADENA CALIFORNIA	45			
	MIDGLEY WVA	5,229			
172	UNITED STATES ENERGY DEPT	3,204 *			
	OAKLAND CALIFORNIA	2,349			
	WASHINGTON DC	230			
	ARGONNE ILLINOIS	425			
	LOS ALAMOS NEW MEXICO	30			
	OAK RIDGE TENNESSEE	170			
263	UNITED STATES COMMERCE DEPT	1,673 *			
	BOULDER COLORADO	432			
	WASHINGTON DC	945			
	GAITHERSBURG MARYLAND	93			
	NORMAN OKLAHOMA	13			
	SEATTLE WASHINGTON	90			
316	SMITHSONIAN INSTITUTION	1,022 *			
	WASHINGTON DC	503			
	CAMPRIDGE MASS	519			
		24,604			

* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)





- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW

